

Questions for Ruby on Rails

Category: Overview - (28 questions)	
Define: Mongrel	interfaces with web server to provide dynamic pages through HTTP interface instead of CGI
Define: database migrations	each migration file represents a change that you want to make to the database, expressed in source file in database-independent terms
Define: Rails scaffold	autogenerated framework for manipulating a model
Define: crud	create , read , update, delete
Define: MVC architecture	model - view - controller
How does a web request work on Ruby on Rails architecture	<ol style="list-style-type: none"> 1.)request goes to Controller - 2.) Controller calls the Model 3.) which interacts with database and returns control to Controller 4.)Controller then call the View which creates html 5.) View send HTML to the browser
What is in the /components directory of rail app	In old days, this dir. was supposed to contain chunks of view code and controller code. This is being deprecated
What is the /lib directory in rails app	Holds the application code that doesn't fit neatly into the model, view or controller. Good place to put code that is shared among models, view, or controllers
Ruby: What is the naming convention for code placed in the /lib directory	for a class called PdfStuff::Receipt the file would be receipt.rb in the directory lib/pdf_stuff
Where does third party code go in rails app	/vendor directory
What is meant by Edge Rails	using the very latest release (on bleeding edge)
What is Active Support	set of libraries that are shared by all Rails components. Extends some of Ruby's built in classes in interesting and useful ways.
Rails: What are Builder templates	Builder is a freestanding library that lets you express structured text (such as XML) in code. Has an extension of .rxml

Rails component that allows the handling of email	Action Mailer
Define: filter	a function that defines code to be run either before or after a controller's action is executed
Define: around filter	combination of before and after filter
Rails: What is the module for handling business logic and database communication	ActiveRecord
Rails: The component that handles browser requests and facilitates communication between the model and the view	ActionController
Rails: The component that handles the presentation of pages returned to the client	ActionView
Rails: Naming convention for class names and file names	class names are written in CamelCase (each word beginning with a capital letter, with no spaces between words) filename are written lowercase, with underscores separating each word
Define: ERb	embedded Ruby
Rails: Component for dealing with email in applications	ActionMailer
Define: fixture	Files that contain sample data for unit testing purposes - when we run the test suit, Rails will wipe the database and populate our tables using the fixtures.
Define: YAML	lightweight format for representing data, with extension .yml . Like XML but no confusing tags and easier for humans to read.
Rails: define - migration file	a special file that can be used to adjust the database schema in a variety of ways. Can be a handy way to make alterations to your database as your application evolves.
Define: rake	a tool for executing a set of tasks that are specific to your project similar to make for a C program
Rails: define: global helpers	helper files defined in app/helpers/application_helper.rb file and are available to all controller
Rails: define - flash	name fo the internal subcontainer (actually a kind of hash) that Rails uses for temporary storage

Category: Controller - (32 questions)	
Rails: Syntax to grab a params value or a default if params is null	params[:var] "default"
Statement that outputs a YAML representation of an object with all its information that aids debugging	debug object
Ruby: Statement to stop the code for the debugger	breakpoint
Rails: How would you do benchmarking in sections of code	wrapping the code in benchmarking class methodself.class.benchmark('descriptive name') do.....end
Rails: What object holds all the parameters passed in a browser request	params[:name]
What does rails use to store Unicode	UTF-8
What Ruby class should be used for using Multibyte strings - i.e. Unicode	convert those strings into Chars objects
Rails: How would you return text from the controller action to the browser	render :text => "stuff to send back"
Where do you put helper functions for a given controller	You put it in a file called controllername_helper.rb in the app/helpers directory
What method can be used as a catch all for a controller to be called when unknown method is sent	method_missing
Rails: How can you make a method in controller public but don't want it to be accessible as an action	hide it using hide_action:hide_action :method_name
Rails: Controller environment variable that is a hash of HTTP headers that will be used by the response	headers
Rails: Controller method that renders a particular template	render
Rails: What is the outcome of calling render(:action => ...)	Does not invoke the action method - it simply renders that action's default behavior
Rails: Controller method to send a data stream to the client	send_data

Rails: Controller method to send the contents of a file to the client	<code>send_file</code>
Rails: what type of value can be passed to a cookie value in Controller	must be a string - no implicit conversion is performed
Rails: How do you set the cookie expiration time	<code>:expires => option</code>
Rails: Controller method that clears out a session	<code>reset_session</code>
Rails: Controller method to run a set of code before every action in controller	create a method then declare it as a <code>before_filter</code> <code>before_filter :method_name</code>
Rails: controller method to run a set of code after every action in controller	<code>after_filter</code>
Ruby on Rails: controller method to run a set of code before and after every action in controller	<code>around_filter</code> use the keyword <code>yield</code> to indicate where the action should be run
Rails abstraction to allow verification that certain conditions are met before an action is attempted	verify mechanism ex: <code>verify :only = :post_comment, :session = :user_id,</code>
Rails: How would you set up a block of code that acts like a switchboard for the different requests in controller file	<code>respond_to do wants </code> <code>wants.html {code for html page request in here }</code> <code>wants.js {code for AJAX request}</code> <code>end</code>
Rails: What is the session container	<code>session[:var_name]</code>
Rails: Contrast: private with protected methods	private are only available within the classes in which they're stored, <code>protected</code> just like private but available to classes which inherit from the class in which the protected method is defined
Rails: How do you create your own helper methods	<code>helper_method :method_name</code>
Rails: How do you access the action name of the controller	<code>controller.action_name</code>
Rails: What object exposes all the information about browser request	request object
Rails: How can you determine if request was a post	<code>request.post?</code>
Rails: How do you tell the controller to redirect request to a different view	<code>redirect_to :action = 'view_name'</code>
Category: View - (7 questions)	

Rails: How can you output all the values in the parameters list	<code>params.inspect</code>
How do you change the HTTP method generated by clicking a link	<code>:method</code> parameter <code>link_to 'Text of link', contact_url, :id => contact, :method => :delete</code>
Rails: Helper function to create a header field that points to the RSS/Atom XML feed URL	<code>auto_discovery_link_tag</code>
Rails: How is paging large records sets handled	on the controller you use <code>paginate</code> function when finding records <code>@user_pages, @users = paginate(.....)</code> in the view file you use the <code>paginate_links</code> helper to put the paging links on <code>pagepagination_links(....)</code>
Rails: How can you created a cached portion on a view template	surround it with a cache block <code><% cache do %>.....<% end %></code>
2 forms for ERb tag pairs	<code><%= %></code> for regular output. The output of a Ruby expression between these tags will be displayed in browser <code><%.... %></code> For code not intended to be displayed
Rails: Syntax to display any data validation problems	<code>error_messages_for 'Object'</code>
Category: View - formatting - (11 questions)	
Rails: Helper method to format special characters for HTML display like	<code>h("text here")</code>
Rails: helper function to format a number to currency	<code>number_to_currency(x)</code>
Ruby: Function to truncate text to a certain number of characters	<code>truncate(text, num_of_characters)</code>
Rails: Built-in helper function for Views that formats time difference in words	<code>distance_of_time_in_words</code> <code>time_ago_in_words</code>
Built-in helper function for Views that format number as a currency	<code>number_to_currency</code>
Built-in helper function for Views that formats a number as a percentage	<code>number_to_percentage</code>
Rails: Built-in helper function for Views that format a number as a telephone number	<code>number_to_phone</code>

Rails: Built-in helper function for Views that format a number with comma separators	number_with_delimiter
Built-in helper function for Views that formats a string, by translating line and paragraph breaks into HTML	simple_format
Built-in helper function for Views that pulls an excerpt out of a text with leading and trailing	excerpt
Rails: Built-in helper function for Views that highlights keywords in string	highlight
Category: Layouts - (10 questions)	
Rails: How can you qualify which actions will have the layout applied to them in the Controller	use the :only and :except qualifiers layout "layoutname", :except => [:rss, :atom]
Rails: How do you create a layout for a particular controller	create a template file in the apps/views/layouts directory with the same name as the a controller, all views rendered by that controller will use that layout by default
Rails: How can you feed content created in regular view template back to the layout file	put the content inside a content_for block with a name, then the content is stored in that name and available in layout <% content_for(:sidebar) do %>.....<% end %> then in the layout<%= yield :sidebar %>
Define: layouts and partials	layouts - templates that control the global layout of an application partials - special sub-templates that can be used multiple times in an application
Rails: How do you mark where the template turns over control to the underlying view	<%= yield %>
Rails: How do you change the name of the layout file used with a Controller	use the layout declaration within the controller
Rails: How can you dynamically change which layout is called in Controller file	by specifying a symbol as the parameter to the layout declaration, that symbol is taken to be the name of a controller instance method that returns the name of the layout to be used. layout :methodnamedef methodnameend

Rails: How can you dynamically (with code) determine which layout will be called in a controller	by passing a symbol to layout declaration <code>layout :method_name</code> whatever string the method returns will be the name of the layout used by the action
Rails: How can you grab the name of the layout being used in the controller	<code>active_layout</code>
How can you grab the default layout of a controller	<code>ControllerClass::default_layout</code>
Category: Partials - (7 questions)	
Rails: how can you pass in additional local variables to a partial from template view file	<code>:locals</code> parameter <code>render(:partial =>, :object => @....., :locals => { :var => '.....', })</code>
When you use the <code>:collection</code> parameter with rendering a partial in view, what is happening	Applies the partial template to each member of the collection - iterating and rendering
Rails: How can you specify what is to be rendered between templates when utilizing <code>:collection</code> with rendering a partial	<code>:spacer_template</code>
Rails: Where should you put partials that are to be shared between controllers	<code>app/views/shared</code> directory <code>render(:partial = "shared/name")</code>
Ruby on Rails: which two variables are made available in partial template and how to facilitate rendering	in the render method <code>:collection</code> or <code>:object</code> parameters are set and made available as a variable with the same name as the partial template name.
Rails: syntax to render a partial template	<code>render :partial => 'partial_name', :collection => @collection_name</code>
Rails: How is a partial view file identified	by an underscore (<code>_</code>) prefix in its filename
Category: View - tag generation - (11 questions)	
Rails: View helper function to alternate text on rows of table	<code>cycle('odd_row', 'even row')</code>
Rails: How do you add a JavaScript confirmation to link action	<code>confirm</code> parameter <code>link_to 'Display text', :action => '....', :confirm => 'text for confirmation', :method => :type</code>
Helper function to include basic javascript functions for Rails framework	<code>javascript_include_tag</code> :defaults
How can you add a popup to link_to hyperlink	<code>:popup</code> option
Rails: 2 helper methods to generate conditionals hyperlinks	<code>link_to_if</code> <code>link_to_unless</code>

Rails: helper function that is used to create menus in sidebars where the current page name is shown as plain text and other entries are hyperlinks	link_to_unless_current
Rails: Helper function to generate an image tag	image_tag
Rails: where does image_tag helper assume images are located	/image directory
Rails: Helper function to generate a mailto: hyperlink	mail_to
Rails: Function to create a hyperlink tag	link_to visible_text, html_link
Rails: Helper to generate link to external stylesheet CSS	stylesheet_link_tag 'name'
Category: Forms - (35 questions)	
Rails: Counter part to error_messages_on that takes a model object to report errors on	error_messages_for
Rails: Helper function to generate an HTML form with a single button for posting an action back to web site	button_to "text on button", :action = :controller_name , any parameters
Rails: How can you update multiple attributes using form_for posting in the Controller	obj.update_attributes(params[:model])
Rails: What trips up new users on form_for helper function in View	should not be used in ERb substitution block <%= %>should be <% %>no equal sign
When using form_for to generate a form, how do you change the url the form submits to	:url parameter
When using form_for helper, how do you generate a text input field	form.text_field
When using form_for helper, how do you generate a hidden input field	form.hidden_field
When using form_for helper, how do you generate a password input field	form.password_field
Rails: When using form_for helper, how do you generate a text area input field	form.text_area

Rails: When using form_for helper, how do you generate a radio input field	form.radio_button
When using form_for helper, how do you generate a checkbox input field	form.check_box
When using form_for helper, how do you generate a basic selection list input field	form.select
Rails: When using form_for helper, how do you generate a select input field with a collection	form.collection_select
Rails: What is a grouped selection list and how do you create	You have heading entries for different groups of items in the select list option_groups_from_collection_for_select
Rails: view helper function for selecting date with form_for	form.date_select
View helper function for selecting date and time with form_for	form.datetime_select
Rails: View helper function for selecting a date	select_date
Rails: View helper function for selecting a day	select_day
Rails: View helper function for selecting a month	select_month
View helper function for selecting a year	select_year
Rails: view helper function for selecting date/time	select_datetime
Rails: View helper function for selecting hour	select_hour
Rails: View helper function for selecting minutes	select_minute
Rails: View helper function for selecting seconds	select_second
Rails: View helper function for selecting time	select_time
Rails: How do you put multiple models in a form while using form_for	field_for helper
Rails: What class to inherit from to create custom form builders	subclass the FormBuilder class class NewBuilderClassName < ActionView::Helpers::FormBuilder

Rails: How do you determine if a form field is empty	<code>params[:name].blank?</code>
How do you make a <code>form_for</code> tag handle file upload field	<code>:html => { :multipart => true}</code> option
Rails: How do you create a file upload field for <code>form_for</code> block	<code>form.file_field</code>
Rails: helper function for a generic HTML form that doesn't deal with a specific model object	<code><%form_tag do %>.....<% end %></code>
Rails: Helper function to generate a text field for a form	<code>text_field_tag 'name'</code>
Rails: Helper function to generate a password input field on form	<code>password_field_tag 'name'</code>
Helper function for generating a form bound to one type of object	<code>form_for</code>
Rails: Helper function to generate HTML code for form Submit button	<code>submit_tag</code>
Category: RJS - (31 questions)	
Rails: how do I refresh the content in a DIV using RJS?	<code>page.replace_html()</code>
What is an RJS template	<p>A file, stored in the <code>apps/view</code> hierarchy, with an <code>.rjs</code> extension. It contains commands that emit JavaScript to the browser for execution.</p> <p>When an action request is received, if the request came in from XHR (Ajax), the dispatcher will preferentially look for an <code>.rjs</code> template. The template is parsed, JavaScript is generated and returned to the browser, where it is finally executed.</p>
Rails: Syntax to automatically render and replace a partial with the same name as element in RJS file	<code>page[:my_div].reload</code> which is the equivalent of <code>page[:my_div].replace :partial = "my_div"</code>
Rails: Syntax to generate inline RJS from the controller action	<code>render :update do page page.alert "Made it here"end</code> the block is passed an instance of the JavaScript Generator object that is the same as the one used on RJS pages
How do you access an element on RJS page - what syntax	<code>page[:element_id]</code>

How do you add/remove class names in RJS file	<pre>page[:element].add_class_name :class_name page[:element].remove_class_name :class_name</pre>
How do you set a CSS style on an element in RJS file	<pre>page[:element].set_style</pre>
Syntax to assign a value to properties on element proxies on RJS file	<pre>page[:element][:property] = 'xxxx'</pre>
Syntax to replace an entire element on page in RJS file	<pre>page[:element].replace</pre>
Difference between .replace_html , .replace, .reload on RJS file	<pre>.replace_html replaces just the content of an element .replace - replaces entire element .reload - like a replace that called partial with name of element</pre>
Rails: How do you generate an array that maps to Prototype Enumerable syntax \$\$('element) in RJS file	<pre>page.select('select_tag')</pre>
Rails: How can you iterate over every div with a certain class on RJS file	<pre>page.select('class_tag').each do itemend</pre>
Rails: How can you generate a collection of elements and call a certain method on every member on RJS file	<pre>page.select('tag_name').invoke('method')</pre>
Method on collection proxies in RJS file that retrieves a property and stores that property in variable	<pre>page.select('tag_name').pluck('storage_var' , 'property')</pre>
Rails: Iterator method for collection proxy in RJS file that evaluates a block and creates result from result of block	<pre>page.select('tag_name').collect('storage_var') do itemend .map is a synonym for collect, so either could be used</pre>
Rails: Iterator method for collection proxies in RJS files that will merge the elements of the collection with one or more arrays creating a new array with matched items from each of the starting arrays.	<pre>.zip</pre>
What syntax can you use in RJS to manipulate multiple elements with .hide and other DOM manipulating methods	<pre>page.hide :element1, element2,</pre>
Rails: Syntax to insert content into an element while leaving existing content on RJS file	<pre>page[:element].insert_html 'New text'you can also use :before, :top, :bottom, :after to affect positioning of inserted text</pre>

How can you generate JavaScript page redirect on RJS file	<code>page.redirect_to some_url</code> or <code>page.redirect_to url_for{:action = 'index'}</code>
Rails: how can you insert custom JavaScript in RJS file	<code>page " ...javascript here ..."</code>
How can you generate a JavaScript assignment in RJS file	<code>page.assign :receiving_var, "Value"</code>
How do you generate a call to an arbitrary JavaScript method in RJS file	<code>page.call :function_name, param_list</code>
Rails: How can you call static methods in JavaScript classes that are defined elsewhere than the RJS file	by appending class name / method name to page object <code>page.class_name.method_name</code> <code>param_list</code> (if required)
If you make a helper for RJS files where do you put it	same place as view helpers <code>app/helpers/application_helper.rb</code>
How can you use the RJS generator on regular page template with <code>link_to_function</code>	<code><%= link_to_function "link txt" do page </code> generate Javascript to run if link clicked <code>end %></code>
What helper can be used on regular page template to produce JavaScript with RJS anywhere JavaScript is expected	<code>update_page</code> helper ex: <code><% update_page { page do</code> <code>end %></code>
Equivalent of <code>update_page</code> helper for invoking RJS generator but wraps the JavaScript in script tags	<code>update_page_tag</code>
Rails: how would you change the title of the page via RJS file	<code>page.assign 'document.title', 'new title'</code>
Helper function for RJS file to call an existing JavaScript function	<code>page.call</code>
Rails: Helper function to call the JavaScript alert function	<code>page.alert</code>
RJS helper function that creates a timer in the browser to pause or delay the execution of any script	<code>page.delay</code>
Category: Ajax - (18 questions)	
Rails: how do you detect if an incoming request was generated by AJAX	<code>request.xhr?</code>

Rails: How can you construct a query string to be sent with a link_to_remote click	:with option:with => "foo=bar"
How would you turn off rendering of the layout wrapper on an Ajax call so that just the action text is returned	in the controller action render :layout => false
Rails: Helper function to create a button that triggers a JavaScript function	button_to_function
Rails: When making Ajax call how do you change a div tag with info returned from call	:update => "element_id" optionscan be used with link_to_remote, form_remote_tag,
Rails: What is the difference between naming Prototype methods in JavaScript and specifying the same effect in RJS file	raw Prototype is camelCase with first letter of first word lowercase and first letter of any other words upper casein RJS file all letters are lower case and underscore between words
Rails: How do you render back different type of content other than text/html like text/javascript	render :text => "something", :content_type => "text/javascript"
Rails: How can you change AJAX call to synchronous	:type => 'synchronous_action'
Rails: How do you change the position of inserting of AJAX result	:position => :before:position => :top:position => :bottom:position => :after
Rails: How can you issue AJAX calls based on timer interval	periodically_call_remote
What major element in IE is not able to update the innerHTML element	table-related elements
Rails: Helper to call JavaScript snippet when a link is clicked	link_to_function
Rails: What is the underlying Prototype function used to make an AJAX call	remote_function
Rails: Helper method that will first delete the original element and then insert the rendered text in its place	.replace
Rails: Helper method that will insert data on a page	insert_html
Rails: 3 methods for toggling the visibility of DOM elements after the completion of XHR calls	.show.hide.toggle
Rails: Helper method that will delete a DOM element from the page entirely	.remove

Function to generate AJAX call to specific action rather than display as html link	link_to_remote
Category: Ajax - Scriptaculous - (17 questions)	
How do you create a visual effect on a DIV in RJS file	page[:div_tagname].visual_effect :highlight, :startcolor => "...", :endcolor => "..."
Script.aculo.us effect that will smoothly reveal text in a DIV from RJS page	page[:div_tagname].visual_effect :blinddown
Rails helper to output a snippet of Scripta.culo.us for visual effects code	visual_effect(:effect, :target)
Rails: What kind of naming scheme for element ids is need to make sortable_element helper work	the unique part of the id should be at the end, preceded by an underscore, ex: item_1, item_2,
Rails: How do you identify an element that can be used in client side AJAX sorting of a list operation	sortable_element
draggable_element option that causes the element to return back to its original location after being dragged	:revert => true
draggable_element option that if set to true will clone when a drag starts, leaving the original in place until drag ends	:ghosting = true
draggable_element option that allows for a subelement to be used as the handle - the part that can be clicked to start the drag	:handle => 'sub_element'
Rails: draggable_element option to set a function that will be called every time the draggable is moved while dragging	:change => "function(draggable) {}"
Rails: draggable_element option that constrains the movement to horizontal or vertical	:constraint => 'vertical':constraint => 'horizontal'
draggable_element option that will allow you to snap the draggable to a grid	:snap => pixel_size
What is the Rails helper to create Script.aculo.us sortable object	sortable_element and sortable_element_js
Rails: How do you create droppable, draggable, or sortable elements on RJS file	page.draggable :div_idpage.drop_receivingpage.sortable

Script.aculo.us helper to generate an autocompletion field	auto_complete_field
Rails: How do you identify drop target elements for drag and drop operations	drop_receiving_element
Rails: How do you identify elements that are capable of being used in drag and drop operations	draggable_element
Script.aculo.us helper for facilitating in-place editing	in_place_editor_field
Category: Ajax - code hooks - (7 questions)	
Rails: For the remote calls how do you run Javascript code if call successful	:success => "JavaScript code" option
Rails: How do you call Javascript function after Ajax call is complete	:complete => 'JavaScript'parameter can be used on link_to_remote, form_remote_tag
Rails: How can you change the update action of AJAX call to vary based on success or failure of call	:update => {:success => '...', :failure => '...'}
Rails: How do you make a AJAX call conditional on Javascript expression	:condition => expression
How do you run Javascript expression before/after making AJAX call	:before = expression :after = expression
Rails: how do you associate JavaScript functions with callback notifications in AJAX calls	6 possible points where a callback might be fired, use the following options: :loading =>:loaded =>:interactive =>:success =>:failure =>:complete =>
Define: callbacks	little snippets of code that are triggered by model events, for example, they are triggered when a model is created, updated, or destroyed
Category: Ajax - Forms - (10 questions)	
Helper function that creates a form that generates an AJAX call instead of normal post - not remote_form_for but older version	form_remote_tag
Rails: How can you make a link_to_remote link act like a form and submit information	:submit option, by providing the ID of a page element, any fields contained in it will be sent along with the request

What is the helper function to create a form that makes an Ajax call that ties the form to a Model object like form_for	remote_form_for
Rails: helper function to create a Ajax calling button in a normal form that will submit data from form	submit_to_remote
Rails: In a observe_field helper how do you construct a custom query string	:with parameter the value variable contains the value of the field being observed
Rails: With an observe_field helper how do you change the delay between callbacks to minimize load	:frequency option
Rails: How do you set up a no-op form so you can use Prototype to make AJAX call	no-op form - a form that cannot, by itself, be submitted to the server form_tag('javascript:void(0)') do
How do you add helper to watch a field for changes and submit AJAX call	observe_field
Rails: How can you monitor all the fields in a form for change in fields	observe_form
Rails: Helper that creates a button inside the form that performs a serial AJAX call when you can't create form with form_remote_tag	submit_to_form
Category: Migration - (15 questions)	
Rake: How do you return to a specific database migration point	rake db:migrate VERSION=number
Rails: Naming convention for migration files	use the verb create when a migration creates tables add when it adds columns to an existing table
Rails: How do you generate a new migration file	ruby script/generate migration name
Rails: in migration file: how do you add a column to a table	add_column :tablename, :column_name,
Rails: in Migration file how do you rename table column	rename_column method
Rails: In Migration file how do you change the type of a column or alter column options	change_column method
Rails: In Migration file how do you prevent a migration from being reversed	in the down portion def self.down raise ActiveRecord::IrreversibleMigration end

Rails: In Migration file how can you force dropping of existing table	:force => true option
In Migration file how do you add index	add_index
In Migration file how do you make a unique index	add_index table_name, :unique => true
Rails: In Migration file how do you load data from a fixtures	use the Fixtures.create_fixtures method call
In Migration file how do you execute native sql code	execute "sql code here"
Where can you find the entire database schema after a migration is run	db/schema.rb
Syntax for a column in db/migrate file for defining a field that will be automatically tagged with creation time	t.column :created_at, :datetime
Rails: Syntax for a column in db/migrate file for defining a field that will be automatically tagged with field alteration time (every time record changed this field with get time stamped)	t.column :updated_at, :datetime
Category: Model - (47 questions)	
Define: acts_as_* naming convention	functional extensions to an ActiveRecord model. Typically enables models to "act as something else"
How does Active Record map ORM: tables = ____; rows = ____; and columns = ____	classes objects object attributes
How do you order the rows returned by .find method on Active Record object	:order => "column DESC" parameter
Active Record method that grabs a list of column names	.column_names
Active Record method that grabs the details of a particular column	.columns_hash["col_name"]

Active Record that grabs the raw value of column attribute before Rails does type casting	<code>append_before_type_cast</code> to its name <code>object.name_before_type_cast</code>
Active Record method that allows querying a column as a boolean value	must append a question mark to the column's name <code>.name?</code>
Active Record method for specifying a primary key other than id	<code>class ClassName ActiveRecord::Base</code> <code> self.primary_key = "key_name"</code> <code>end</code>
Rails: How do you override the default database connection mechanism in Model file	<code>establish_connection</code> method in Model file
Rails: How do you create a new record for Model object	<code>ClassName.new</code> method
Rails: How do you add conditional statements to <code>.find</code> statement while searching model class	<code>:conditions => "..."</code> option
How do you insert dynamic information into <code>:condition</code> of <code>.find</code> method	<code>ClassName.find(:all, :conditions = ["name = ? and", name])</code> use <code>?</code> place holder in the conditions parameter
Rails: How do you use like clauses in find statements for Active Model objects	<code>:conditions = ["name like ?", params[:name]+"%"]</code>
Rails: How do you limit the number of rows returned by <code>.find</code> method	<code>:limit => num</code> parameter
Rails: How do you specify the offset of the first row that will be returned by <code>.find</code> method	<code>:offset => num</code> parameter
Rails: How do you limit which columns are returned by <code>.find</code> method	<code>:select => "col_names"</code>
How do you specifying the locking method for <code>.find</code> statement	<code>:lock</code> parameter
Rails: How do you construct your own sql query string for finding records	<code>.find_by_sql</code>
Rails: How do you do perform statistics on values in a column	<code>.average(:col_name)</code> <code>.maximum</code> <code>.minimum</code> <code>.sum</code> <code>.count</code>
Rails: How do you run a database specific aggregate column function	<code>.calculate(:function_name, :col_name)</code>

Rails: How do you ensure that you always have a model object to work with when searching for an object	<code>find_or_initialize_by_orfind_or_create_by_</code>
Rails: How do you reload an object from database	<code>.reload</code> method
Rails: How do you force an error if <code>.save</code> or <code>.create</code> fails	put a ! on end of method <code>.save!</code> and <code>.create!</code>
Ruby: How do you delete a selection of records on model object	<code>.delete_all(["conditions"])</code>
Rails: How do you execute raw sql statements	you have to create an ActiveRecord connection object then run <code>.execute</code> on its <code>ActiveRecord::Base.connection().sql.execute("statement here")</code>
Rails: How do you add conditions to children associated through <code>has_many</code> model object relationship	use <code>:conditions</code> parameter <code>has_many :happy_users, :through => 'readings', :source => :user, :conditions => 'readings.rating = 4'</code>
How do you replace the children of <code>:has_many</code> model object with a new set	<code>model_object.replace(...)</code>
Rails: How do you break the association of all of the children of object with <code>:has_many</code> model object relationship	<code>.clear</code> method
Rails: How can you share association extensions with multiple model objects	Do this by putting your extension methods in a Ruby module and passing that module to the association declarations with the <code>:extend</code> parameter <code>has_many :articles, :extend => RatingFinder</code>
Rails: How would you do single-table inheritance with model objects	make a table named after the base class. Then each sub-object inherits from the base, or another object that inherits from the base. <pre>class Person < ActiveRecord::Base end class Customer < Person end</pre>
Rails: How do you organize the rows of a table into a hierarchical, or tree, structure	adding a single column (by default called <code>parent_id</code>) to the table then add <code>acts_as_tree</code> to model <code>acts_as_tree :order => 'field_to_orderby'</code>
Rails: What is the behavior when you save a parent with children rows that can't be saved	no error is reported, must save the child separately to get an error
Rails: What is the default behavior for iterating through the children of <code>has_many</code> relationship and how can this be changed	a different sql statement is issued for each record, this can be changed with <code>:include</code> parameter

Rails: In model file how do you flag an error that applies to object as a whole	<code>errors.add_to_base("error message to show to user")</code>
Rails: How do you turn on optimistic locking for updates	put a field called <code>:lock_version</code> in the database with integer type
What mechanism allows you to insert custom code to deal with creation, monitoring and destruction of ActiveRecord objects	use the built in callback method names in model file: ex: <code>before_validation</code> , <code>before_create</code> , etc.
Rails: define - counter cache	optional feature of ActiveRecord associations that makes counting records fast and easy. You enable by including the parameter: <code>counter_cache = true</code> when defining a <code>belongs_to</code> association
Syntax for creating a new ActiveRecord class object	<code>class Story < ActiveRecord::Base</code>
Rails: Method to confirm a record hasn't been saved yet	<code>.new_record?</code>
How do you create a new record in database	<code>TableName.create(:field1 = 'value1', :field2 = 'value2',)</code>
Rails: How do you retrieve a particular record	<code>TableName.find(record_key)</code>
Rails: How do you retrieve all the records from a table	<code>TableName.find(:all)</code>
Rails: How do you find the first record according to a certain sort order	<code>TableName.find(:first, :order => 'fieldname DESC')</code>
Rails: how do you search for a record by field value in table	<code>TableName.find_by_fieldname('value')</code>
Rails: shortcut for updating an field in table row	<code>s.update_attribute :fieldname, 'new value'</code>
Rails: How do you delete a record	<code>.destroy</code> method
Syntax to return an ActiveRecord database object field value or a default if field is null	<code>data_object.field_name "default value"</code>
Category: Model Validation - (15 questions)	
Rails: Model file syntax to check that field is unique in table	<code>validates_uniqueness_of :field_name</code>
Rails: Model file syntax to validate a field is a number	<code>validates_numericality_of :field_name</code>

Rails: Model file field validator that checks a regular expression	<code>validates_format_of :fieldname :with => r(expression), :message => 'error message'</code>
How do you access the built in Active Record error strings	<code>ActiveRecord::Errors.default_error_messages[:error_name]</code>
Rails: What 3 methods can be defined in Model objects to facilitate low-level validation checks	<code>validate, validate_on_create</code> (runs when record first created), <code>validate_on_update</code> (only runs on update of existing record)
Rails: In model file how do you flag an error on a particular field	<code>errors.add(:field_name , "message to display to users)</code>
Rails: Model file syntax to validate that a checkbox has been checked	<code>validates_acceptance_of</code>
Rails: Model file syntax to perform validation on associated objects (through has_many or other relationships)	<code>validates_associated :object_name</code>
Rails: Model file syntax to validate that attributes are not in a set of values	<code>validate_exclusion_of</code>
Model file syntax to validate that field and its doppleganger have same content -for fields that require user to enter information twice for confirmation	<code>validates_confirmation_of</code>
Rails: Model file syntax to validate that attributes belong to a set of values	<code>validates_inclusion_of</code>
Model file syntax to validate the length of attribute value	<code>validates_length_of</code> or <code>validates_size_of</code>
How can you make any Model object validation conditional	use <code>:if</code> parameters
Rails: Where and how are data validations handled	in the model page with statements like <code>validates_the_prescence_of :field1,</code>
Rails: Syntax to validate the presence of fields in model files	<code>validates_presence_of :field1,</code>
Category: Model Relationships - (23 questions)	
What happens if you create an additional has_one relationship in addition to a has_many relationship when you reference the object	it applies a LIMIT 1 to that query used to produce the records

<p>In the model record what is the attribute <code>:class_name</code> used for when specifying relationships like <code>:has_many</code></p>	<p>specify the class name of the association. Use it only if that name can't be inferred from the association name. So <code>has_many :products</code> will by default be linked to the <code>Product</code> class, but if the real class name is <code>SpecialProduct</code>, you'll have to specify it with this option. <code>has_many :new_name :class_name ActualClass</code></p>
<p>Rails: What is the <code>:through</code> doing: <code>has_many :readings, :through => :articles</code></p>	<p>it allows direct reference of articles through the readings relationship so instead of <code>.readings.articles</code> you can use <code>.articles</code></p>
<p>Rails: How would you allow a model object to reference another object directly that is connected through another relationship</p>	<p><code>has_many :direct_object, :through => :indirect_object</code></p>
<p>Rails: Specifies the source association name used by <code>has_many :through</code> queries. Only use it if the name cannot be inferred from the association. <code>has_many :subscribers, :through => :subscriptions</code> will look for either <code>+:subscribers+</code> or <code>+:subscriber+</code> on <code>Subscription</code></p>	<p>use the <code>:source</code> parameter <code>has_many :object_name, :through => :other_relationship, :source => :user</code></p>
<p>How do you override the SQL in a <code>has_many</code> model file relationship for finding or counting records</p>	<p><code>:finder_sql</code> - option for retrieving records <code>:counter_sql</code> - option for counting records</p>
<p>Rails: When creating a <code>has_many</code> or other relationship how do you limit the fields referenced in the relationship in model file</p>	<p><code>:select</code> option</p>
<p>ActiveRecord: In a relationship in the model how can you specify the field to use for the foreign key</p>	<p><code>:foreign_key => option</code></p>
<p>Rails: In the model how would you specify the class name of the association. Use it only if that name can't be inferred from the association name.</p>	<p><code>:class_name</code> attribute</p>
<p>Rails: How do you only return unique children records in a <code>has_many</code> model object relationship</p>	<p>use <code>:unique</code> parameter <code>has_many :users, :through => :readings, :unique => true</code></p>
<p>Rails: How do you set a one-to-one association in Model</p>	<p>in the optional side of one to none / one to one put a <code>-</code> <code>belongs_to :model_object</code> in the master side put <code>-:has_one :model_object</code></p>

<p>How do you set up a one-to-many relationship between model objects</p>	<p>in the one side put - :has_many in the many side put - :belongs_to</p>
<p>Rails: How do you set up a direct many-to-many relationship between 2 model objects</p>	<p>in both model files put - :has_and_belongs_to_many</p>
<p>How do you control what happens to the children records after deletion of a row in parent table</p>	<p>:dependent => :destroy - children rows are destroyed when parent is destroyed, works by traversing one record at a time :dependent => :delete_all - causes all children to be deleted with single SQL statement :dependent => :nullify - child row is orphaned :dependent => false - child row is not updated or deleted when the parent is destroyed</p>
<p>If you have model object with a has_many relationship, what is the syntax to add more of the sub objects</p>	<p>order.line_items << LineItem.new(.....) the << operator is used to append</p>
<p>Rails: How can you add methods to the children of a model object</p>	<p>by adding a block to any has_many declaration. Any methods defined in this block become methods of the association itself has_many :articles, :through => :readings do def rated_at_or_above(rating) find :all, conditions => ['rating = ?', rating] end end</p>
<p>Rails: how can you map a model object back on to itself with a one-to-one relationship like Employee to boss</p>	<p>class EmployeePerson belongs_to :boss, :class_name => 'Employee', :foreign_key => :reports_to :class_name shows what object "boss" relationship maps back to (itself), and foreign_key says what field is used for that</p>
<p>Rails: define polymorphic associations for model object</p>	<p>an association that links to objects of different types. By mapping the foreign key into different tables depending on the row object type.</p>
<p>Rails: How do you accomplish polymorphic association for one-to-one relationship</p>	<p>for the object that is the optional one: belongs_to :resource, :polymorphic => true for the different objects that can have the resource as a child has_one :sub_object, :as => resource</p>

Rails: How do you create list behavior in children of model object with has_many relationship	has_many :child_object, :order => position belongs_to :parent acts_as_list :scope => parent_id
Define: join model and syntax for indicating	a relationship between 2 models that relies upon a third - there's no direct relationship between the 2 models being linked. has_many: through: statement
In the models file, how do you indicate a table has a one-to-many relationship with another table	has_many :other_table
Rails: In the models file, how do you indicate a table has a many-to-one relationship with another table - it is the table with many	belongs_to :table_name
Category: Active Support - (28 questions)	
Rails: Helper functions to generate warn, info, error, and fatal messages in log files	logger.warn() logger.info() logger.error() logger.fatal()
Active Support extension that converts objects into JSON - javascript object notation	.to_json
Active Support extension that converts objects to YAML representation	.to_yaml
Active Support extension that converts object to xml representation	.to_xml
Rails: Active Support extension that partitions a collection into sets of values	.group_by - partitions by calling a block once for each element in the collection and using the result returned by the block as the partitioning key
Active Support extension that takes a collection and converts it into a hash	.index_by - where the values are the values from the original collection and the key referencing the value is determined by passing that element to the block
Active Support extension that sums a collection	.sum - sums a collection by passing each element to a block and accumulating the total of the values returned by that block
Active Support extension that converts the array to comma-separated sentence where the last element is joined by the connector word.	.to_sentence

Active Support extension that will iterate over an array in groups of a certain size, padding any remaining slots with specified value	<code>.in_groups_of(num)</code>
Active Support extension that returns character at certain location	<code>.at(num)</code>
Active Support extension that returns all the string after certain location	<code>.from(num)</code> <code>.last(num)</code>
Rails: Active Support extension that returns all the string up to a certain location	<code>.to(num).first(num)</code>
Active Support extension that returns the singular form of noun	<code>.singularize</code>
Active Support extension that takes out underscores from name such as <code>first_name</code>	<code>.humanize</code>
Active Support extension that capitalizes first letter of each word	<code>.titleize</code>
Rails: how do you add capitalization rules for words like <code>goose</code>	at bottom of <code>environment.rb</code> file add an Inflector section with rules <pre> Inflector.inflections do inflect inflect.irregular "goose", "geese" end </pre>
Active Support extension that tells you if number is even or odd	<code>.even?</code> <code>.odd?</code>
Active Support extension that turns a cardinal number into its ordinal	<code>.ordinalize</code>
Active Support extension that allow scaling of numbers like kilobytes, terabytes, ect	<code>.bytes</code> <code>.kilobytes</code> <code>.megabytes</code> <code>.gigabytes</code> <code>.terabytes</code> <code>.petabytes</code> <code>.exabyte</code>

Active Support extension that allows you to scale numbers into time units such as minutes, hours, etc	.seconds .minutes .hours .days .weeks .fortnights .months .years
Active Support extension that allows you to add time units to and from now	20.minutes.ago / 20.hours.from_now 20.weeks.from_now / 10.months.ago 20.minutes.until("some date".to_time) 30.minutes.since("some date".to_time)
Active Support extension that grabs just the date part of full date/time	.to_date
Active Support extension that transforms date/time to start of that day, month, week, quarter, year	.at_beginning_of_day .at_beginning_of_month .at_beginning_of_week .at_beginning_of_quarter .at_beginning_of_year
Active Support extension that converts date/time to time	.to_time
Active Support extension class that encapsulates all information about time zones and offsets	TimeZone class
Active Support extension that allows you to set options for multiple calls on same object	.with_options map.with_options(:controller = "store") do store_map store_map.. store_map end
Rails: What is the helper for formatting dates	to_formatted_s
Rails: Helper function that displays a noun as singular or plural based on count	pluralize(count, noun)
Category: Ruby - (4 questions)	
Rails: How do you set up a loop that counts down from 3	<% 3.downto(1) do count -%>.....<% end -%>

Ruby: How do you add an item to an array	<code>@array_var << new_item</code>
Rails: How do you do error trapping	<code>begin.... code to error trap onrescue... handle the error hereelse... any code after no errorend</code>
Ruby naming convention for variables vrs classes and modules	variables - all lower case and words are separated by underscores classes/modules - no underscores and each word in the phrase (including the first) is capitalized
Category: Rake - (9 questions)	
How can you automatically generate documentation for rails project	<code>rake doc:app</code>
How can you find out how much code has been written in rails project	<code>rake stats</code>
Rails: After updating your rails installation how would you update the libraries in an individual application	<code>rake rails:update</code>
Rails: how do you generate a static version of scaffolding for a object	<code>ruby script/generate scaffold model_name controller_name</code>
Rails: How to create a migration containing session table information	<code>rake db:sessions:create</code>
Rails: How can you clear out all the sessions variables stored in a database from command prompt	<code>rake db:sessions:clear</code>
Rails: Command to copy the database schema to the test database	<code>rake db:test:prepare</code>
How can you get a full list of rake tasks	<code>rake --tasks</code>
Rails: How do you create a new model object including migration file	<code>ruby script/generate model model_name</code>
Category: Command Line - (11 questions)	
Rails: how do you start the breakpoint client	<code>ruby script/breakpointer</code>
Rails: How do you grab a page in the interactive console mode	<code>app.get 'page'</code>
Command to get irb-based Rails application console to run	<code>ruby script/console</code>

How do you set up a Ruby documentation server	start the gem documentation server with the command: gem_server then point browser to http://localhost:8808
How do you keep your installation of Ruby on Rails up-to-date	gem update rails --include-dependencies
How do you remove the backups of all library versions after updating Rails installation	gem cleanup
How do you create a new Rails application	open a shell window, and navigate to place in file system where you want the application to be installed. Then type: rails appname
How do you open up the Interactive Ruby Shell	run the program irb
How do you launch Apache in production mode with Rails	use the -e production parameter
How do you enter a Rails console	go to the project directory and type at the command prompt: ruby script/console
Rails: How do you generate code automatically	use the ruby generate scriptruby script/generate
Category: Plugins - (6 questions)	
Plugin provides means by which you can make your models taggable	acts_as_taggable
Rails: Plugin for email notification of code errors	exception_notification
Rails: What plugin will add a text of schema to top of every model file	annotate_models
Rails: Tool to merge JavaScript and CSS files in the live site while maintaining them as separate on development	Asset Packager plug-in
Rails: Tool to deal with long running tasks by requesting update info with Ajax calls	BackgroundDRb plugin
Rails: What module allows hashed password storage	Digest
Category: Configuration - (8 questions)	
Rails: Where is the configuration file for database setup	config/database.yml

Rails: What configuration file allows you to change session storage from file to database	config/environment.rb
Rails: How do you bind your application to a gem version of rails	add a line like:RAILS_GEM_VERSION = "1.2"at the very top of the environment.rb in the config directory
Rails: How do you lock your application into the version of Rails currently installed as a gem	rake rails:freeze:gems
Rails: What 2 files are used to handle runtime configuration of application	first one is used regardless of RAILS_ENV variable - config/environment.rbthe second depends on which environment you're in: development.rb, production.rb, test.rb
Rails: How can you configure where the static assets such as images and stylesheets reside	Setting the configuration variable asset_host ActionController::Base.asset_host = "http://otherserver/dir"
Rails: How do you set the type of storage for session	in the environment.rb filesession_store =
Rails: What is the session_store = :mem_cache_store mechanism	memcached is a freely available distributed object caching system from Danga Interactive. The Rails MemCacheStore uses Michael Granger's Ruby interface to memcached to store sessions.
Category: Testing - (33 questions)	
2 assertions that test for nil or not nil in Unit Tests	assert_nil assert_not_nil
Rails: integration testing support: create explicit sessions	open_session
Rails: functional testing helper that returns an array of tags meeting the given conditions	find_all_tag
Rails: In Unit Test how do you test whether a object is valid according to model rules	.valid? and .invalid? methods
Rails: Testing helper that tests for equality	assert_equal expr1, expr2
Rails: how can you set up a common environment for each test method in Unit Testing where certain code is run before every test	define a setup methoddef setup.....end
Rails: Testing helper that tests for inequality	assert_not_equal(expected, actual, message)with message as optional

Rails: Assertion that tests for 2 floating point numbers within a delta of each other	<code>assert_in_delta</code>
Rails: 2 assertions that fails unless the block raises / does not raise one of the listed exceptions	<code>assert_raise</code> <code>assert_nothing_raised</code>
2 assertions that fail unless string is matched / not matched by regular expression	<code>assert_match</code> <code>assert_no_match</code>
Assertion that fails unconditionally	<code>flunk(message)</code>
Testing helper that can simulate ajax request	<code>xhr(method, action, parameters, session, flash)</code>
Rails: 2 assertions that test 2 strings containing HTML, succeeding if the 2 are represented / not represented by the same document object model	<code>assert_dom_equal</code> <code>assert_dom_not_equal</code>
In a functional test how can you grab the value of previously assigned in last action	<code>assigns("variable_name")</code>
Rails: Variable in functional test that is the full URL that the previous action redirected to	<code>redirect_to_url</code>
Functional testing helper: finds a tag in the response using same conditions as <code>assert_tag</code>	<code>find_tag</code>
Rails: Functional testing helper - if the preceding action generated a redirect, follows it by issuing get request	<code>follow_redirect</code>
Rails: functional testing helper: create the MIME-encoded content that would normally be uploaded by a browser - for post request	<code>fixture_file_upload</code>
Rails: How do you generate an integration test	<code>ruby script/generate integration_test test_name</code>
Integration testing support: when you start an integration test you're given a default session	<code>integration_session</code>
Rails: Integration testing support: performs a get or post request but follows all redirects until non-redirect obtained	<code>get_via_redirect</code> <code>post_via_redirect</code>
Rails: Purpose of mock objects	used to stub function calls to outside services so testing can proceed

Rails: What testing is available for JavaScript	script.aculo.us distribution includes a JavaScript unit-testing framework in unittest.js
Rails: What 3 assertions can be used to test routing	<pre>assert_recognizes - verifies that routing returns a specific sets of options given a path assert_generates - verifies that the given set of options generate the specified path assert_routing - combines both assert_generates and assert_recognizes in one statement</pre>
Rails: How would you structure a unit test to determine if field is required for an object creation	<pre>def test_should_require_links = Story.create(:fieldname = nil) assert s.errors.on(:fieldname) end</pre>
How do you run your small unit test suite	rake test:units
Rails: in a functional test how do you simulate a page request	get :path
In a functional test how do you determine if page request returned HTTP OK response	assert_response :success
Rails: In a functional test how do you determine if correct template was used with the page	assert_template 'template_name'
Rails: In a functional test how do you determine if an controller instance variable is available	assert_not_nil assigns(:instance_variable)
How do you invoke the functional test suite	rake test:functionals
Rails: How do you test for verifying that certain HTML elements are present in the document	assert_select 'element', :count = num
Rails: Functionality test for redirection of script	assert_redirected_to :action => 'index'
Category: Routing - (20 questions)	
Rails: How do you connect the base site url http://www.some.com/ with an action in routing file	in the config/routes.rb file ad the following <pre>route :connect => { :controller => 'the ' is the key part</pre>
Method for ActionController::Routing:Routes that will show what URL route could be used to access a certain controller, method, etc.	.generateoptions....
Rails: What object can be used to access the url routing information at ruby console	ActionController::Routing:Routes

Method for ActionController::Routing:Routes that will show all routes defined for an application	.routes method
Method for ActionController::Routing:Routes that shows how routine would parse a particular incoming path	.recognize_path "path"
Rails: routing file map.connect pattern that will accept all remaining components in the incoming URL	*name , this must appear at the end of the pattern
Routing file map.connect parameter to specify default values for the named parameters	:defaults => { :name => "value",}
Rails: routing file map.connect parameter that allows you to specify that the given components are matched against string or regular expression	:requirements =>{ :name =/regexp/,.....}
Rails: routing file map.connect parameter that allows you to set conditions - including HTTP request method - that must be met before the pattern matches	:conditions => { :name => /regexp/orstring, ...}
Rails: What priority to matching is given to patterns in routes.rb file	first match that succeeds is used, if no match found an error is raised.
Rails: Helper function that will generate url by applying parameters to a mapping	url_for(:controller = '....',)
Rails: how do you create a named route in the routes.rb file	instead of map.connect replace connect with desired namemap.route_name
Ruby: How do you access a named route from routes.rb in controller code	append _url to the name. So if name of route is index then you use:index_url
How does Rails 1.2 add direct support for REST	it adds a kind of macro route facility, called resources map.resources :controller_name
Rails: How do you add your own actions to map.resources for REST in routes.rb	use :collection parametermap.resources :control_name, :collection => { :action => :get } }
How do you nest resources , like comments on articles for REST supporting routing definition file	map.resources :articles do map articles.resources :comments end

Rails: How do you allow user to pass in the format of the response desired via the URL in routes.rb mapping	set a :format parameter in your routes to the file extensionmap.store "/store/:action/:id.:format"
Define: routing	translating URLs of a certain format into actions that are invoked on a controller class
Where is the routing configuration stored	config/routes.rb
Rails: define named route	a custom alias for matching an incoming request's URL. Requests that match the defined pattern are directed to a specific page within our application
Category: Sanitizer - (4 questions)	
Rails: Helper will html encode all tags and strip all attributes that aren't specifically allowed.	sanitize(html, options = {})
Rails: Helper that sanitizes a block of css code.	sanitize_css(style)
Rails: Helper that strips all link tags from text leaving just the link text.	strip_links(html)
Rails: Helper that strips all HTML tags from the html, including comments.	strip_tags(html)
Category: Flash - (4 questions)	
Rails: How do you put info into the flash container that will last only for the current request	user the .now modifierflash.now[:var] =
Rails: Controller method that keeps a flash item in between requests	flash.keep[...]
Rails: syntax to put a message in flash	flash[:error] = 'Login unsuccessful'
Rails: Flash common area names for logging levels	:notice:warning:error
Category: Page caching - (7 questions)	
Rails: Controller method to allow page level caching	cache_page
Rails: Controller method to allow action-level caching	cache_action
Rails: Controller methods that provide a low-level way of removing cached pages	expire_pageexpire_action

What is the Rail mechanism for automatically handling caching expiration	Rails sweepers - a special kind of observer on your model objects. When something significant happens in the model, the sweeper expires the cached pages that depend on that model's data. They are located in app/models directory
Rails: In the controller file how can you find out if the cache has already been created to not repeat code for that segment	read_fragment method
Ruby: How can you expire a cached page fragment in View from Controller	expire_fragment(:controller = ..., :action =)
Rails: How can you create multiple cached fragments on a page	use the :part parameter to give them different names