



# Controllers, Filters & Helpers

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# What is Controllers?

- It is responsible for routing external requests to internal actions. It handles people-friendly URLs extremely well.
- It manages caching, which can give applications orders-of-magnitude performance boosts.
- It manages helper modules, which extend the capabilities of the view templates without bulking up their code.
- It manages sessions, giving users the impression of an ongoing interaction with our applications.

# Lets quickly create a sample app and see

Execute the below written code in your terminal.

```
rails g scaffold Recipe title:string instructions:text
```

Now get into project directory and run bundle install

```
rake db:migrate
```

Now open the recipes\_controller.rb

# Now run below mention urls in your browser

- <http://localhost:3000/recipes>
- <http://localhost:3000/new>
- <http://localhost:3000/id/edit>
- <http://localhost:3000/id/show>

# Filters

- Filters are method that run before, after or around a controller action.
- Filters are inherited, so if you set a filter on ApplicationController, it will run on every controller in your application.
- Before filters are run on requests before the request gets to the controller's action. It can return a response itself and completely bypass the action.

## Usage

- \* Validating a user's authentication before granting them access to the action designated to handle their request,
- \* Load a resource from the database,
- \* Check permissions on a resource,
- \* Manage redirects under other circumstances.



- After filters are run after the action completes. It can modify the response.
- These filters are not used to very oftenly because if something is done in an after filter, it can be done in the action itself,
- But if there is some logic to be run after running any of a set of actions, then an after filter is a good place to do it.
- Around filters may have logic before and after the action being run.
- Around filters can be used for exception handling.

For know further in depth details about filters you can refer below link

<http://api.rubyonrails.org/v2.3/classes/ActionController/Filters/ClassMethods.html>

# Helpers in Rails ..

- A helper method is a method written for the view, it's designed to be reusable anywhere within the website.
- And it also helps to clean the view template without bulking it up with heavy codes
- Now write the below written code snippet in your `recipes_helper.rb`

```
def test_helper  
  return Recipe.first.title  
end
```
- Now call this method in `show.html.erb`  
`<%= test_helper %>`

## That's aLL FoLKs

If anyone has any doubt or need any clarification, Please get in touch with Anupam or Ganesh in skype or slack.



# THANK YOU



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