

# Basic Devise

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A rails authentication engine

# What is a rails engine?

A rails engine is similar to a Rails application. In fact a rails app is actually a “supercharged” rails engine. `Rails::Application` inherits from `Rails::Engine`. An engine can run independently or in conjunction with a rails application. Since everything is namespaced you can even have matching routes.

# Getting started with Devise

Devise runs as a fully functional authentication rails engine for your application. Devise is fully customizable by overwriting views, controllers and even using 3rd party devise plugins.

Benefits of Devise:

- Full MVC solution as a rails engine
- Multiple models signed in at once
- Modular
- Active user / contributor community

# Prep a rails app for devise

```
rails new second_bank -d postgresql --quiet
```

```
cd second_bank
```

```
rails g model User first_name:string last_name:string
```

Gemfile

```
gem 'devise', '~> 3.4.0'
```

(If using rails 4.2 Devise must be 3.4.0 or later)

```
bundle install
```

```
bundle exec rake db:create db:migrate
```

# Install Devise

```
rails g devise:install
```

```
rails g devise User
```

```
rails g controller Home index
```

```
config/routes.rb
```

```
root to: 'home#index'
```

```
devise_for :users
```

```
bundle exec rake db:migrate
```

```
bundle exec rails s
```

# Forcing signup / login

After starting the server you will be taken to `home#index` but what if you want the end user to be taken to the login page if they are not signed in?

```
app/controllers/application_controller.rb
```

```
protect_from_forgery with: :exception
```

```
before_action :authenticate_user!
```

Now restart your server and try to go to the root route

Notice there is a signup form with a login link

# Devise Routes

We can create a sign out link on the home page run rake routes to find out the path needed. We can also use a devise helper method to display the user's name

app/views/home/index.html.erb

```
<%= button_to 'Log Out', destroy_user_session_path, method: :delete %>
```

```
<h2>Welcome <%= current_user.first_name %> </h2>
```

# Devise Helpers

- `current_user` => retrieves the current user record
- `user_signed_in?` => returns a boolean true if the user is signed in false if not
- `user_session` => accesses the users session

Note that if our model was called something else like admin it would be:

`current_admin`

`admin_signed_in?`