Source files of the project are available on
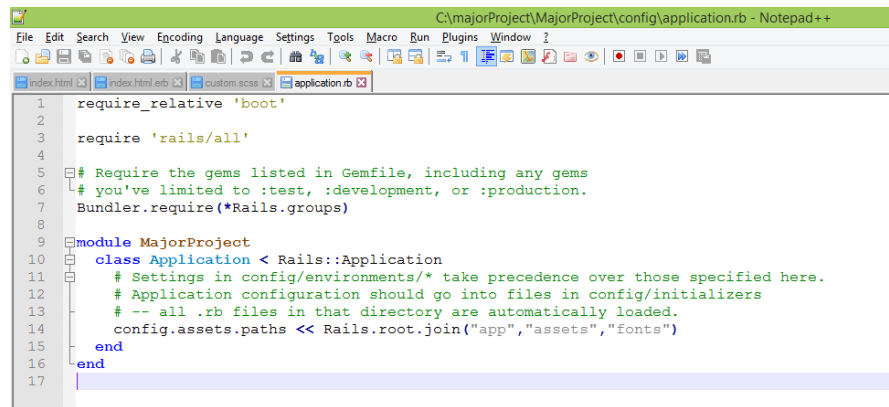https://github.com/duhanlatika/MajorProjectPortal/tree/master/MajorProject

1. Had a bigger view in mind that the home page will have a navigation bar with Four tabs
    - Have a look at our best projects (where listing of previous good projects will be there)
    - Home (a button to come to Home page)
    - About (This will lead to a page which is guide to your Major Project)
    - Contact (Will link you to the project coordinator)

2. The page will also have three buttons for different types of login Student, Faculty and Coordinator
3. Downloaded a bootstrap theme from following link
    a. https://startbootstrap.com/
4. There will be many files in different folder this template. Following steps were followed
    a. Copy the content of all the .css files in your C:\majorProject\MajorProject\app\assets\stylesheets\application.css file
    b. Make a custom.scss file and add the following in it
       @import "bootstrap-sprockets";
       @import "bootstrap";
    c. Make a font folder in C:\majorProject\MajorProject\app\assets and copy all the fonts in this folder
    d. Change your C:\majorProject\MajorProject\config\application.rb file to include the following
       config.assets.paths << Rails.root.join("app","assets","fonts")
       A snapshot of my file looks like this

```
File  Edit  Search  View  Encoding  Language  Settings  Tools  Macro  Run  Plugins  Window  ?

index.html    index.html.erb    custom.scss    application.rb

  1        require_relative 'boot'
  2
  3        require 'rails/all'
  4
  5      # Require the gems listed in Gemfile, including any gems
  6      # you've limited to :test, :development, or :production.
  7        Bundler.require(*Rails.groups)
  8
  9     module MajorProject
 10       class Application < Rails::Application
 11         # Settings in config/environments/* take precedence over those specified here.
 12         # Application configuration should go into files in config/initializers
 13         # -- all .rb files in that directory are automatically loaded.
 14         config.assets.paths << Rails.root.join("app","assets","fonts")
 15       end
 16     end
 17
```

5. Change your gemfile (located in the main folder) to include following (gem for bootstrap)

> source 'https://rubygems.org'
>
> gem 'bootstrap-sass', '>=3.3.6'

6. Run bundle install

7. Now I made the controller of for my home page using following command
   Rails generate controller home index aboutUs

8. My routes.rb is like this

> Rails.application.routes.draw do
>
>   get 'home/index', to: 'home#index'
>
>   get 'home/aboutUs', to: 'home#aboutUs'
>
>   root 'home#index'
>
> end

9. After this I made my login page using the index page given in bootstrap folder and the index.html.erb file can be seen through the link in lms

10. Caution: url in application.css file should be the object name (image or font etc) only since all the other things are defined in asset pipeline for example in @font-face or img (remove all the relative paths from these tags)

11. Finally the home page of my project was made. Now I started working on the other links of the navigation bar. The first link I worked on was "Have a

look at our best projects". Since it was a largely static page I created a view for it in /app/views/home with a name bestProject.html.erb. and added the following entry in routes.rb

get 'home/bestProject', to: 'home#bestProject'

I also added a dummy function in home_controller.rb

12. The link in index.html.erb was made using

<%= link_to "Have a look at our best projects",{controller: "home",action: "bestProject"}, class:"navbar-brand topnav" %>

13. Run "rails routes", restart the server and my link to "Have a look at our best projects started working". Now I worked on this page by adding the information and photograph.

14. Since I wanted top navigation bar to come as it is, I copied the code of navigation bar from index.html.erb to my bestProject.html.erb file

15. Made aboutUs.html.erb and added a side navigation bar with four controls

16. On AboutUs Page, I wanted the link to download should download the pdf file which contains detailed handout. For that, two things were done. First add the route in routes.rb

```
get 'home/downloadbook'
```
Run rails routes and add following function in HomeController

```
def downloadbook
send_file Rails.root.join('public','ProjectHandbook.pdf'),
:type=>"application/pdf", :x_sendfile=>true
end
```

17. For working of student button, I generated a controller and a model. For controller used the following

rails generate controller student login index

18. Also generated model for student with following command

19. rails generate model student firstname:string password:string etc…(all the fields of the students table were mentioned here.

20. Once this is done run command "rails db:migrate" to create the database in SQLite

21. Now I worked on making my login page. For that I wanted to create a form using <% form_for> of embedded ruby. Since we have to provide an object here I created this object (@student) in Student_controller (login function). This object was then used in app/view/student/login.html.erb for making the form. Detailed file can be seen on GitHub
22. I wanted the student/index page to open upon successful login which was created done by making action as index.

This is what I have done so far, the document will be updated daily as and when I find time to work on this project.