Demo Project (Project Management System)
2018

Below are the business requirements for demo project

We need to build an application, which would act as a project management system.

Admins can authenticate manage (add/edit/update/delete) all entities in the system,

Base Entities:

- User
- Client
- Project
- Time Logs
- Payment
- Comment
- Attachments

Admin will enable and disable a user.
Admin can give manager rights to a user.

Manager would be able to create/edit/update Client, Project and Payment.
Users can perform Create/READ/Update/Delete on time logs and comments.
User would be able to view Clients, Projects and Time logs.
Attachments would be uploaded as part of a project(multiple) and also a user's profile picture.

Comments would only be made against a project.

User Will be able to edit his/her profile.

On home page, there will be top 5 projects listed based on earnings (details on that table would be project/hours clocked/earning) and similarly a table for bottom 5 projects alongside this it will also have a chart for earnings and time logged per month.

We would have following show pages

User show page is basically the profile of the user.

Client show page would list the client details along with his projects.
Project show page would list the project details, hours spent, comments and total payments made on that project.

We would have the following index pages

User Index
Client Index
Project index

Each page would have basic search functionalities in them on relevant fields.

On project index page we will have options to log hours against a project(we are linked to), add comments on a project and also to add payment against a project(only for managers). This would be an ajax based call.
Comments modal box would have the latest 5 comments and a form below to add a new comment.

We need to add an API system which other websites can use to access our website database and we can return details for any project they search for. They can send multiple parameters for the search those will be discussed at the time of implementation.

Milestone #1
1) User creation
        -> Sign up
        -> Login
        -> Edit profile
2) Bootstrap
3) Admin
        -> Enable / disable a user
        -> Give managerial rights to existing users
4) Manager
         -> CRUD to manage clients

Milestone #2

4) Manager

    -> CRUD to manage projects, payments

5) User

    -> CRUD for time logs and comments

    -> Can view clients, projects, and time logs

    -> Attachments / profile picture

Milestone #3

6)

    -> Top / bottom 5 projects listed on the homepage

    -> Show top 5 comments for a specific project.

7)   Writing API