Week 1 Outcome of the project: Online System for hosting CTFs and Hackathons

Details Of The Project :

Basically we will be using emberjs framework with MongoDB as the Database Management System and will build a site in which hackathons can be hosted .

Starting from basics we will be making a simple emberjs app which which will contain basic MVC elements i.e. models, views, controllers, templates and routers . It will server as the foundation block of our project . Then we will make migrations on the database using the above models .

We will have an admin panel , a host panel and a client panel. Admin panel will take care of development, bug, security etc. related issues of site . Host panel will be hosting there challenges and hackathons on the site and clients may accept and download these challenges and then work upon them and submit their responses .

Initially following the jeopardy style , the challenges will be stored in the database with their encrypted / hashed solutions / answers . These will be available in site with proper User Interface (UI) , from where the clients can download the challenges . There will be a portal where the solutions of the challenges can be uploaded by the clients and can be evaluated .

The site will thereby be hosted on a paid web server or on the IITD Intranet Server whichever be more suitable .

If the project is accepted by authorities then we will be having an administration unit for maintaining the security of the site so that the site itself is not prone to be **"HACKED" .**

Week 1 Foreseen Objective :

- Revising HTML, bootstrap(css), Nodejs
- Practicing framework: Emberjs(Frontend)

Objectives Achieved:

- Attained good enough knowledge of HTML and CSS (including Bootstrap) which is needed for the completion of project .
- Learned and practised javascript and made some basic apps using Nodejs .
- Started learning Emberjs but could not complete it properly because of devoting time for achieving some of future week's objective . Moreover going through custom HTML plugins and js connection libraries and data transfer libraries.