C:DRIVE Project Report

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Project Introduction

CDrive is an online collaborative space where students and teachers can contribute to an organized, managed, and supervised resource environment for both. This shared space can be used to organize course material for involved parties. To further aid resource management, teachers can verify course content to make them available to students. To help mitigate chaos and to allow discussions on topics, CDrive also features a forum to facilitate communication between all users.

The major features include:

1. Register and login functionality.
2. Two types of users namely student and teacher.
3. Variety of streams namely computer science, mechanical etc.
4. Users can view all the files uploaded by their classmates and teachers.
5. User can upload their own files/notes on the portal and once approved by the admin can be visible to all other users.
6. User can create his own profile having bio and profile image at the same time view the profile of the user that has uploaded the file.
7. User can easily update the profile including his username, password, profile picture and variety of other things.
8. User can ask query regarding a particular file and can view all the queries for that particular file.
9. User can view all the answer to a particular query and also answer a query.
10. Teachers need no approval for uploading the notes. Teachers have all the other features as mentioned above.
11. Admin can view all the files, approve files, delete any user, delete any query or delete any answer.

Consequently, CDrive has an edge over other platforms where only one party might have contributing rights or where there is a lack of forums to discuss germane details.

Project Scope

CDrive has superlative potential in all domains which feature a sharable resource space. In the academic domain, however, owing to CDrive's organised and supervised collaboration, it can have exceptionally prolific enterprise. In any college environment, where there is a multitude of subjects, all of which require to be organised to best help a student's efforts, CDrive can be easily scaled and used to suit the need of different academic environments.

Project Explanation (Technologies used)

The primary technologies being used for the creation of the project are HTML, CSS, Bootstrap, and JavaScript for frontend and PHP for backend. The database being used is MySQL.

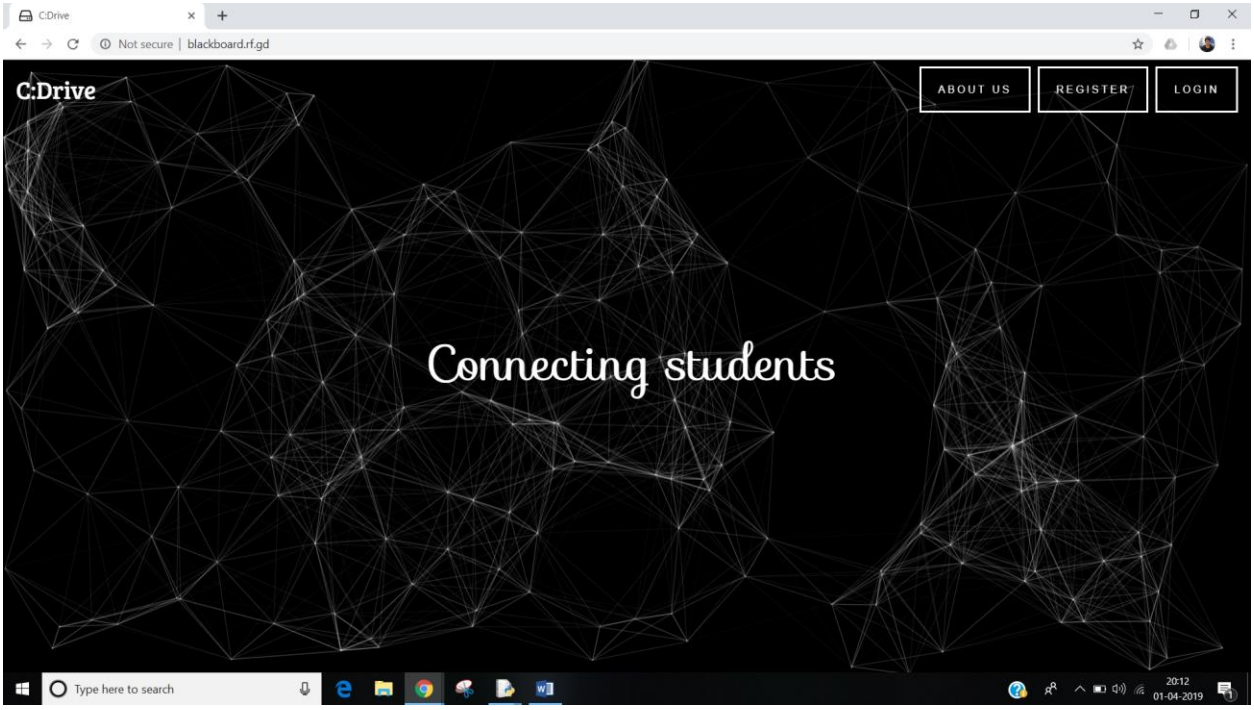
Bootstrap template is used for admin and user dashboard which is then customized by custom CSS.

Particles.js is used to provide the visual particles effect on the homepage.

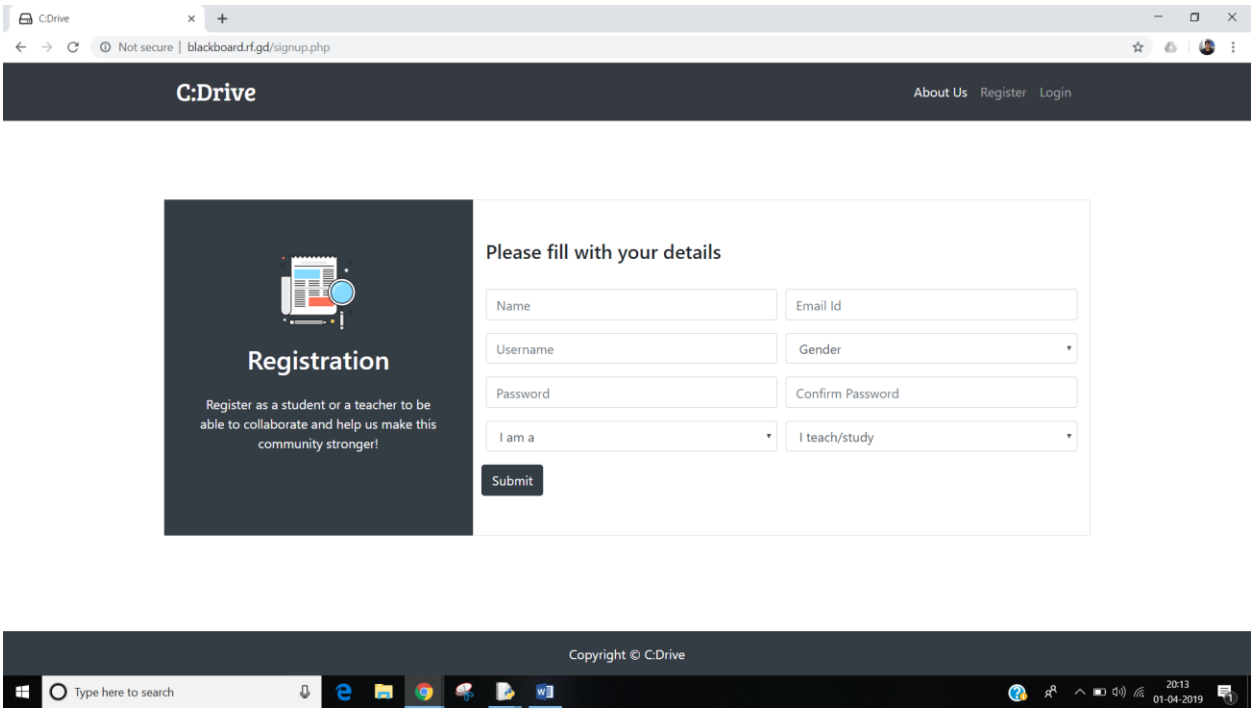
GUMP which is a standalone data validation and filtering class is used to validate and clean the input data from the user.

Output Screenshots (3 from frontend, 3 from backend)

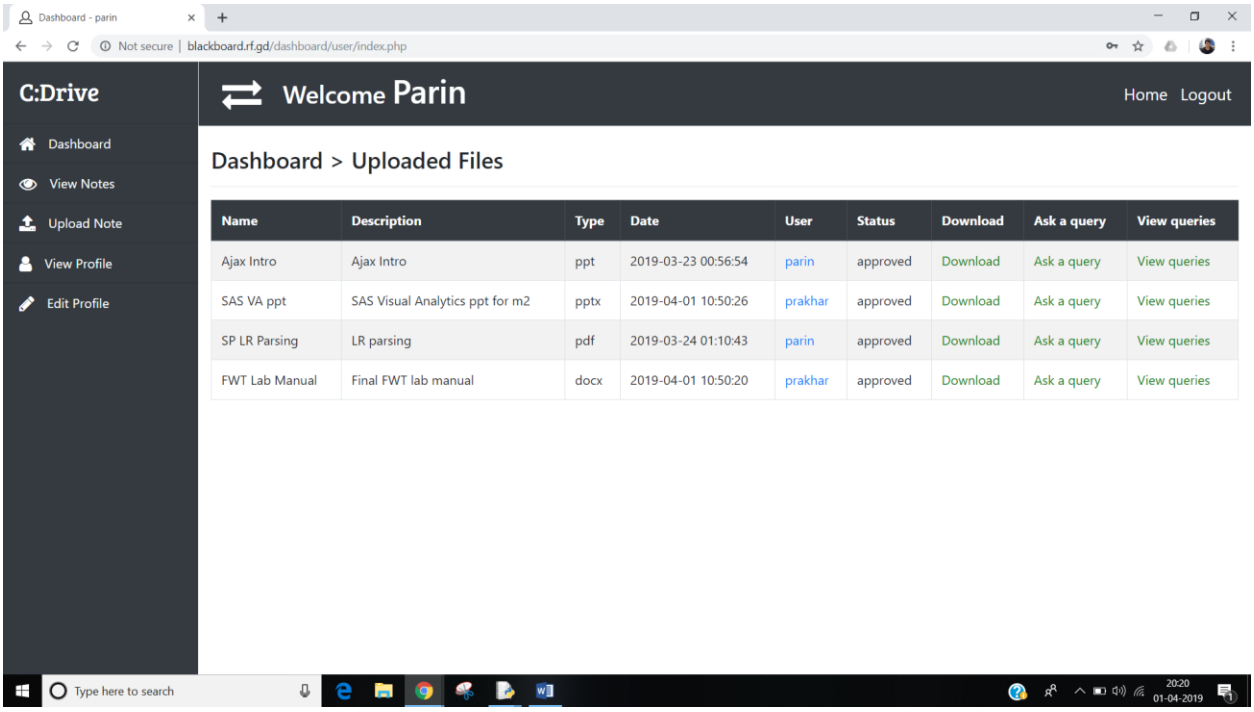
Homepage



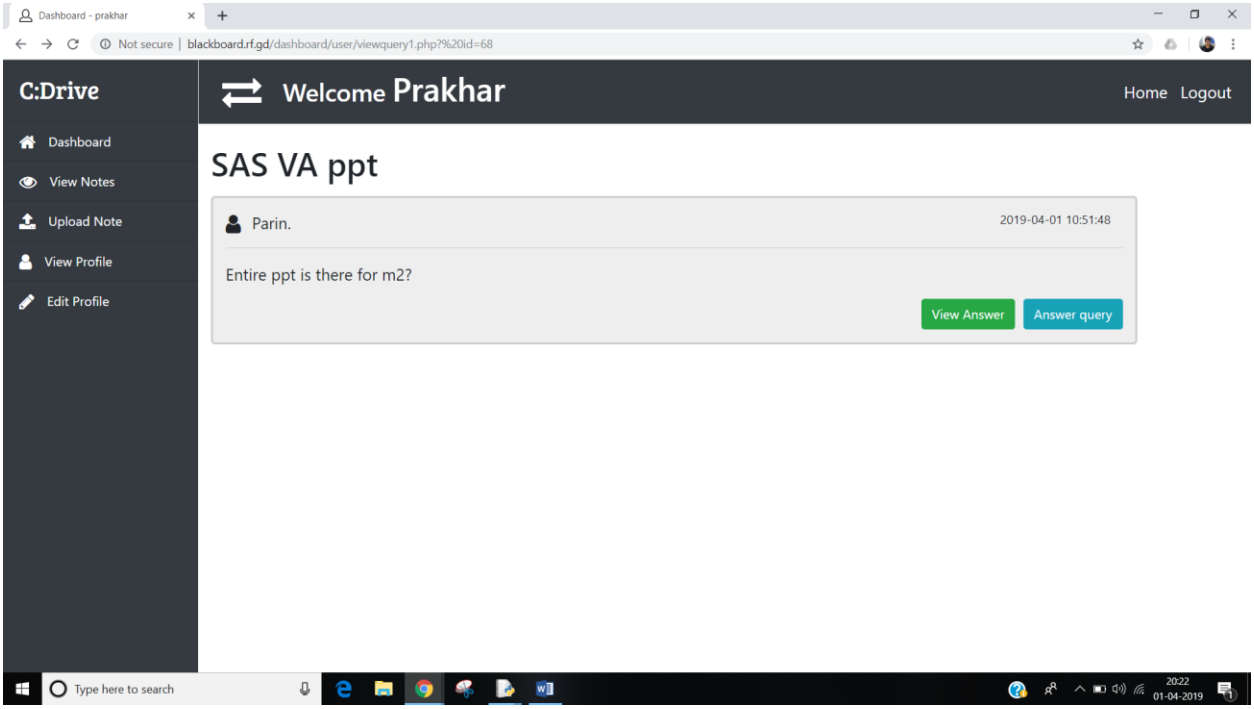
Register Page



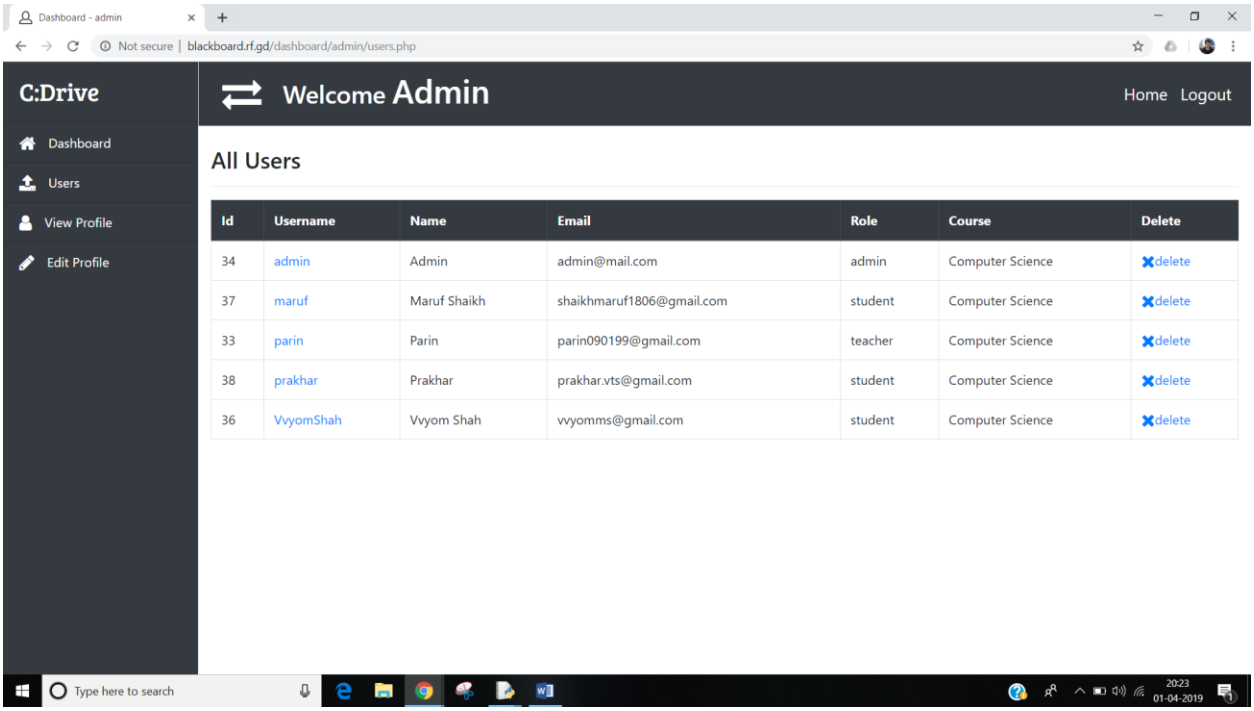
User Dashboard (all the files uploaded by all the users can be viewed here**)**



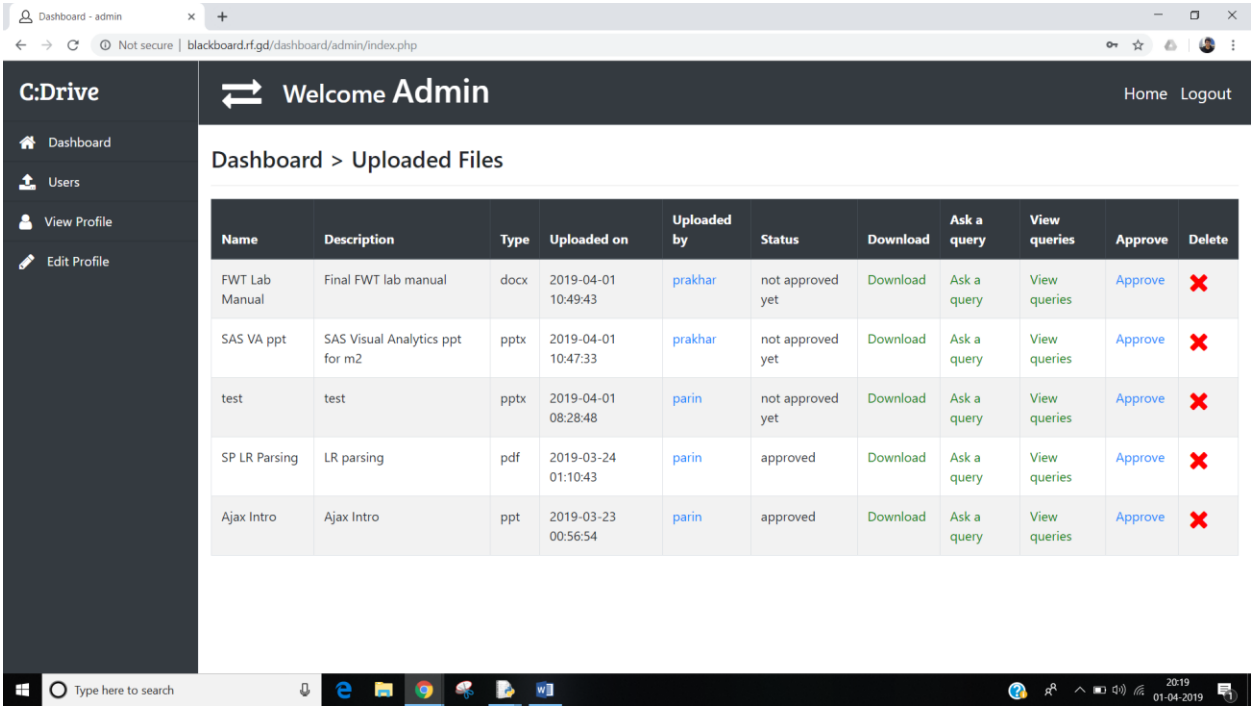
Query page (user can ask and answer queries**)**



Admin Dashboard (admin can delete users**)**

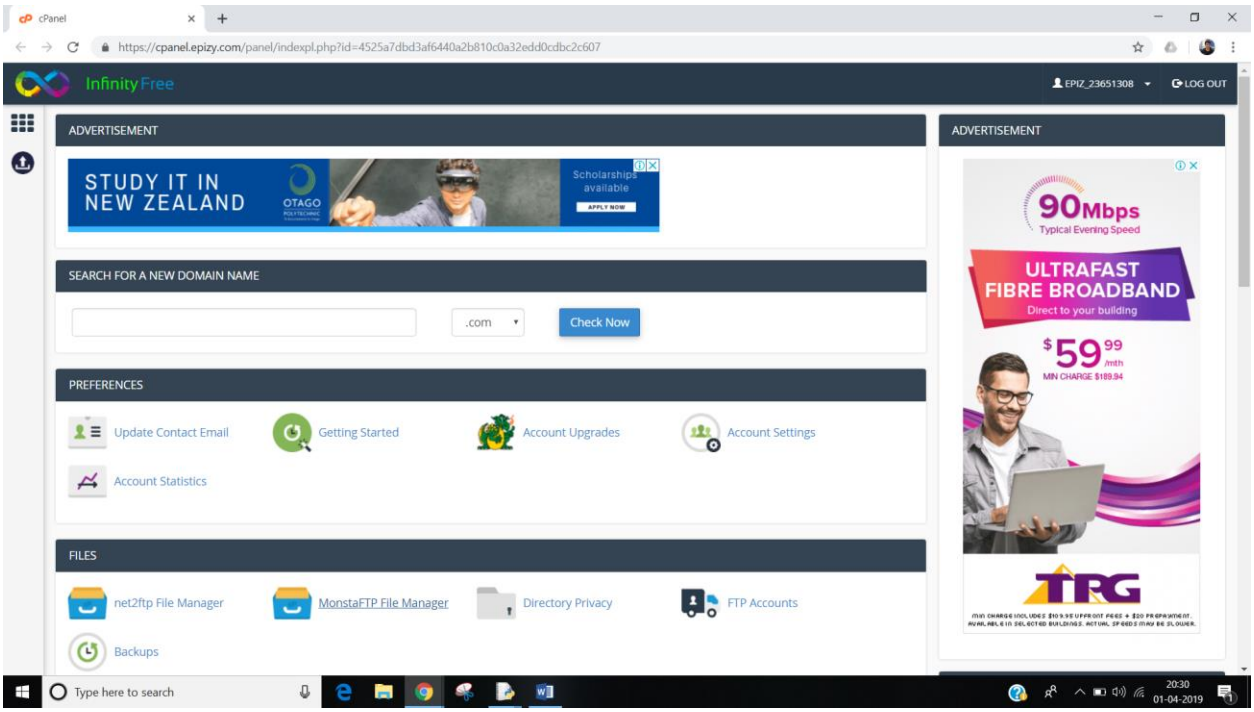


Admin Dashboard (admin can approve the files or delete the files can view and delete queries**)**



BACKEND

cPanel



phpMyAdmin (containing all the tables)

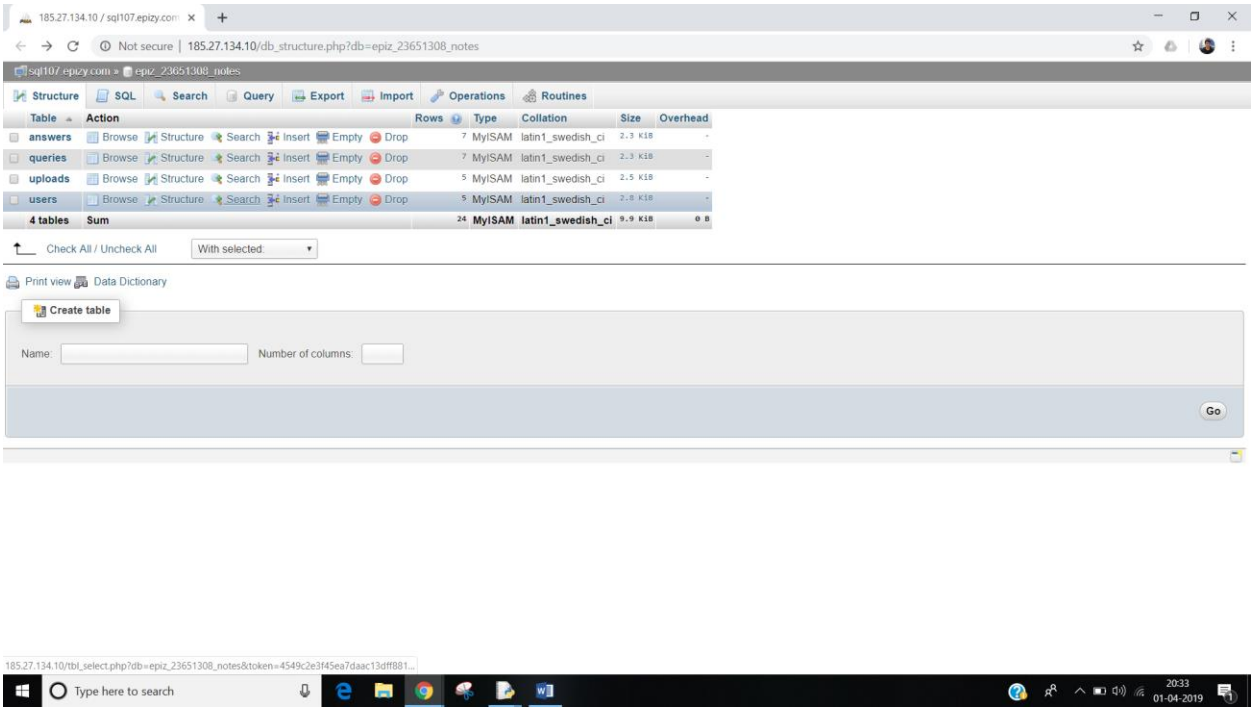
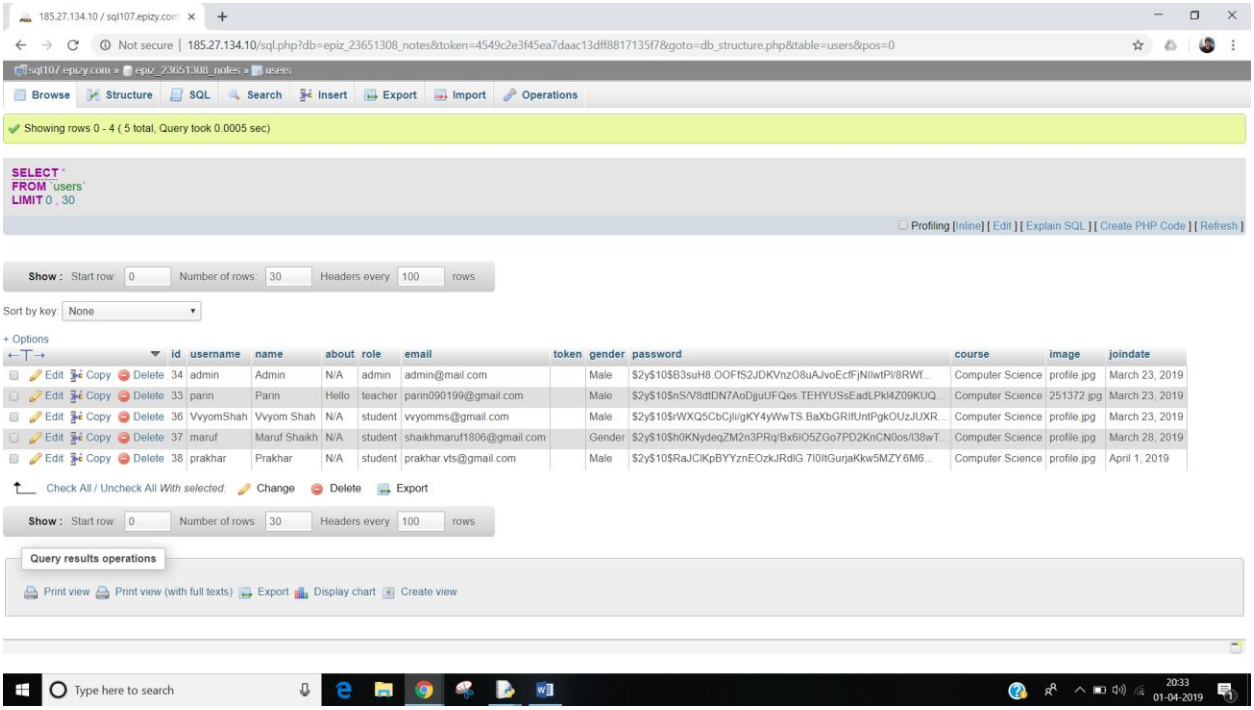
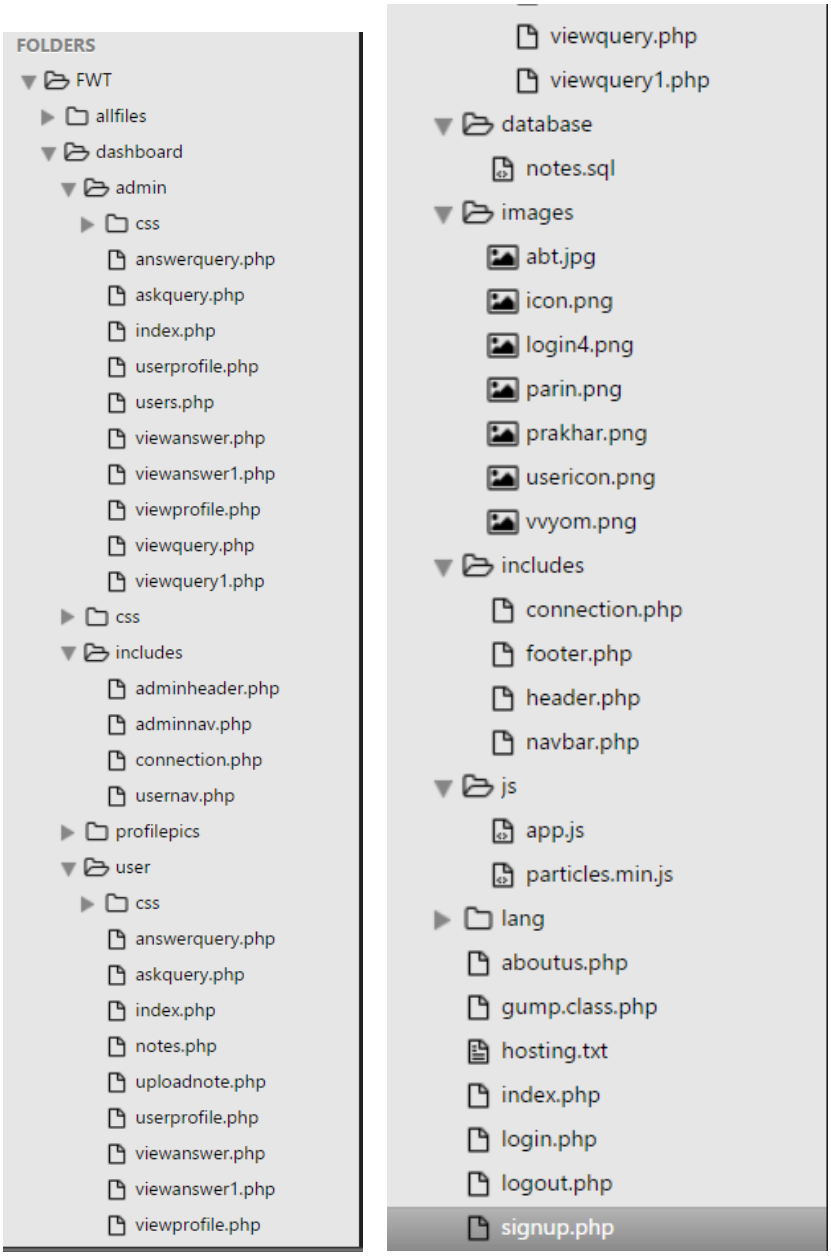


Table for users:



File Structure:



Conclusion(Hosting details)

The website is hosted using Infinity Free which provides a subdomain and cPanel for the subdomain where one can easily upload, update and modify the files. PHPmyadmin is also provided where the database resides and is connected via PHP script.

The project can be found hosted at http://blackboard.rf.gd