FALL SEMESTER 2020-2021

COURSE: OPEN SOURCE PROGRAMMING

COURSE CODE: ITE1008

FACULTY: JOHN SINGH K

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| NAME | Reg. No |
| Ujwal Bhattarai | 20BIT0443 |
| Roshan Singh | 20BIT0445 |
| Adwait Anand | 20BIT0126 |

Teams Details:

Web Designers: - Roshan and Ujwal

Database Manager: -Adwait and Roshan

Portal Functionality responsibility: - Roshan

Complete Backend Manager: - Adwait

Script Writer: - Ujwal and Adwait

Debugger: - Adwait

TITLE:

Abstract:

Quiz is a very important part of education and content revising. With the help of

VIT Quiz Portal, particular faculty would be able to create and conduct quizzes for

students who are registered to their respective courses. It would be available

inside the VTOP under Quiz Section. Students can attend Quizes inside VTOP and

can view their results in future. Quizes will be time controlled and amount of time

allotted will be finalize by the admin itself. This idea can be implemented in any

colleges, universities or at home to check the preparation of students and revise

contents of different courses. Server load will be not an issue in this case because

number of students would always less than 150. Manual systems are very time

consuming and difficult to grade. This would be able to develop, conduct and

check the quizzes thus reducing the burden of academic's staff and will provide

efficient evaluation of students.

**Introduction:-**

We will use theme with bootstrap (took help from VIT source code) so this website will looks

Like 100% responsive and also you can easily understand that how to implement bootstrap in php.

Frontend: HTML, PHP

Backend: MySQL

We are going to cover below functionalities..

**User side**

(1) User can register

(2) User can login

(3) User can select the exam

(4) Then exam will start of user, admin will set time for exam when time will over exam will

automatically over or when user give all questions answer then also exam will over.

(5) We will use ajax for load question so page will not refresh again and again

(6) User can see count down timer for remaining time of exam

(7) After exam complete user can see how many question was there in exam and how many

correct and how many incorrect answer.

(8) User can see their past exams results also..

(9) User can logout

**Admin side**

(1) Admin can login

(2) Admin can block unblock user

(3) Admin can create new exams categories like maths, science, computer etc.

(4) Admin can set time of that exam.

(5) Admin can add question for exam with 4 choice of each question

(6) Admin can see all students' results

(7) Admin can edit everthing like questions, exam time, exam categories etc..

(8) Admin can logout

**Problem statement**

1. QUIZ will be available inside VTOP Login.

2. Marks will be automatically uploaded in the marks section.

3. Able to add Questions from admin Login panel

**Reason for choosing this topic?**

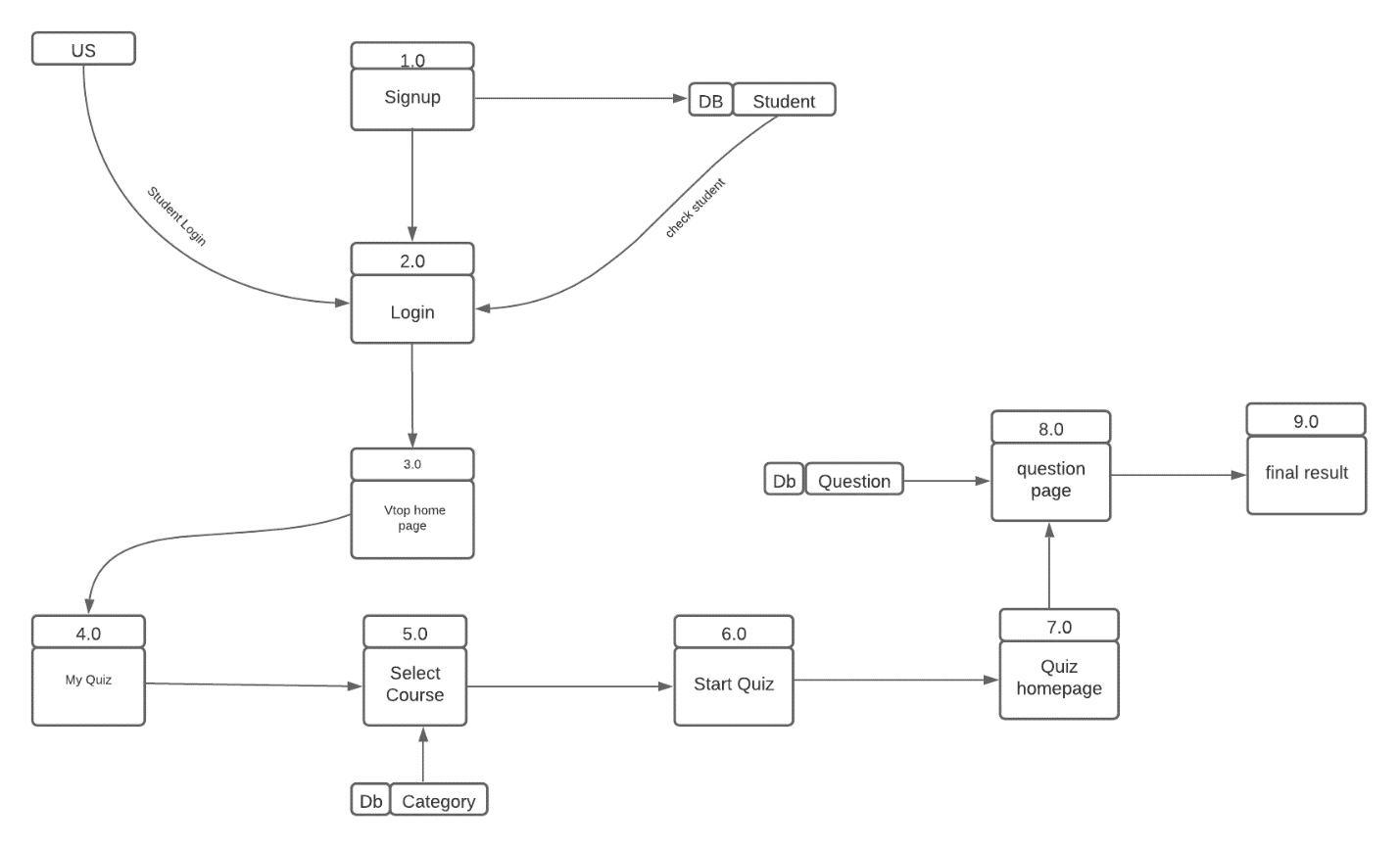
After going through VTOP we have seen one section is missing and that is QUIZ

section where

Students can easily give their quiz exams in single login in VTOP without any

Interruption or depending on certain external source. They can easily see the dates of the quiz in assignments section and easily traverse to quiz section in same portal. This will somehow reduce some manpower and would be more efficient for academic's faculty and students too.

**Quiz portal flowchart:**



**Module:**

Using Notepad++ editor and Xampp for Database. Backend Side:

1.PHP (Managing Backend Process).

2.Used Xampp server (For database management)

3.Apache Webserver (Establishing Connection Between Web (Localhost) and

Server)

4.MySql Database.

Frontend: -

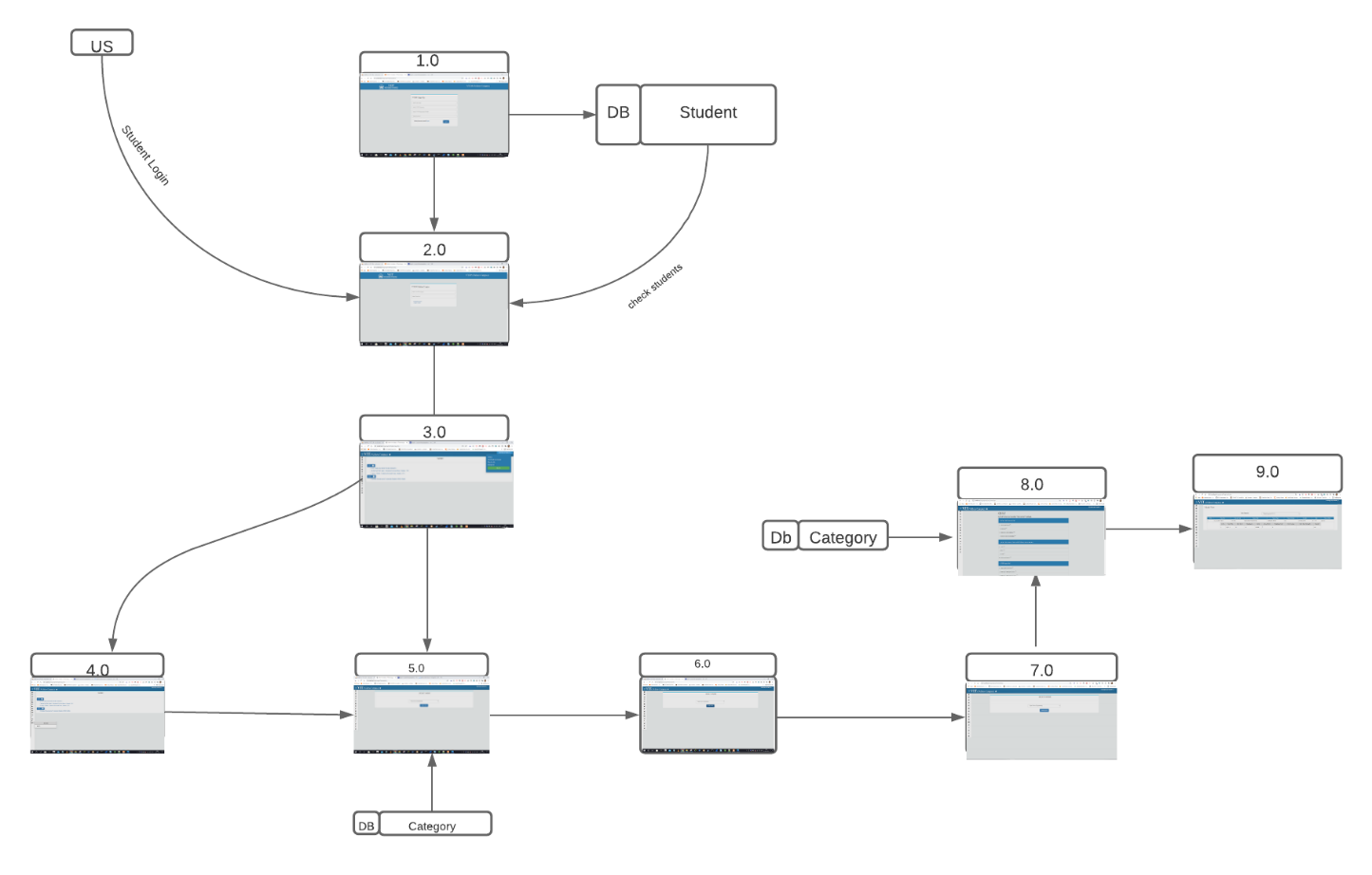
1.PHP (fetching data from database and reflect it on frontend like login details

and Quiz Questions)

2.HTML (Design of Webpage)

3.Used Vtop Source Code for reference (Frontend design)

**Prototype:**



**Database Design (SCREENSHOTS):-**

DATABASE DETAILS: - We have created total 5 Database named quiz\_oops as for now. 1.Signup

2. Category 3.Question 4.adminsignup 5.result

Signup:-This is for storing signup details of the user. In this database table there are 5 columns id, name, email-id, pass and user. With the help of name and pass students will login into the portal. So here id is the primary key.

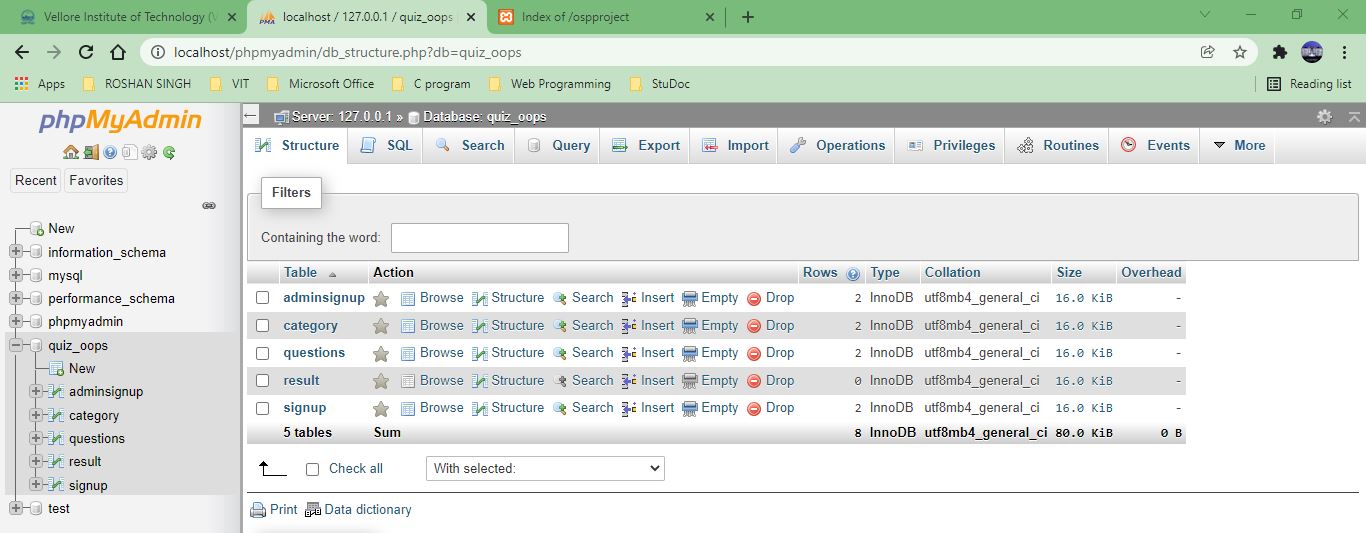
Categories: - This is for storing subjects category. Of which category (subject) student have to give quiz. In this Database table we have total 2 columns id and cat\_name.This cat\_name will be used in showing the question of that respective category. Here id is primary key.

Questions:-This is for storing all the questions and the solutions of that respective questions with their id in category database. This database have total 8 columns id, question, ans1, ans2, ans3, ans4, ans cat\_id. Here cat\_id is foreign key and id is Primary Key.

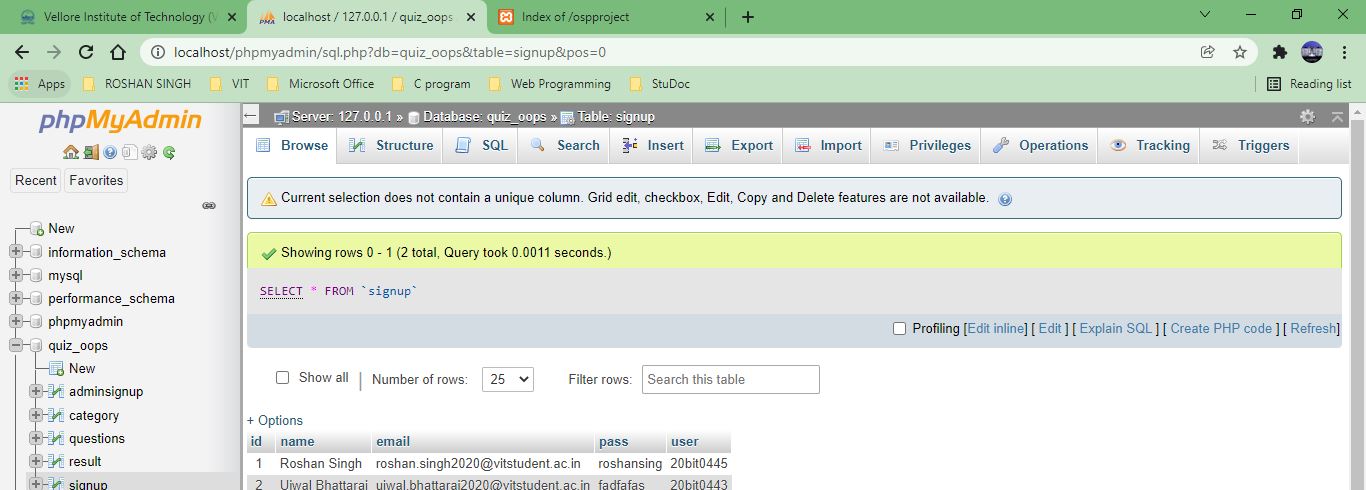
Adminsignup:-This is for storing signup details of the admin.In this database there are 5 columns id, name, email-id, user and pass. With the help of name and pass Admins will login into the portal.So here id is the primary key.

Result: This is for storing all the details of the quiz marks of the student and it will reflect on admin side. In this database there are 3 columns id, name, marks. Here id is Primary Key.

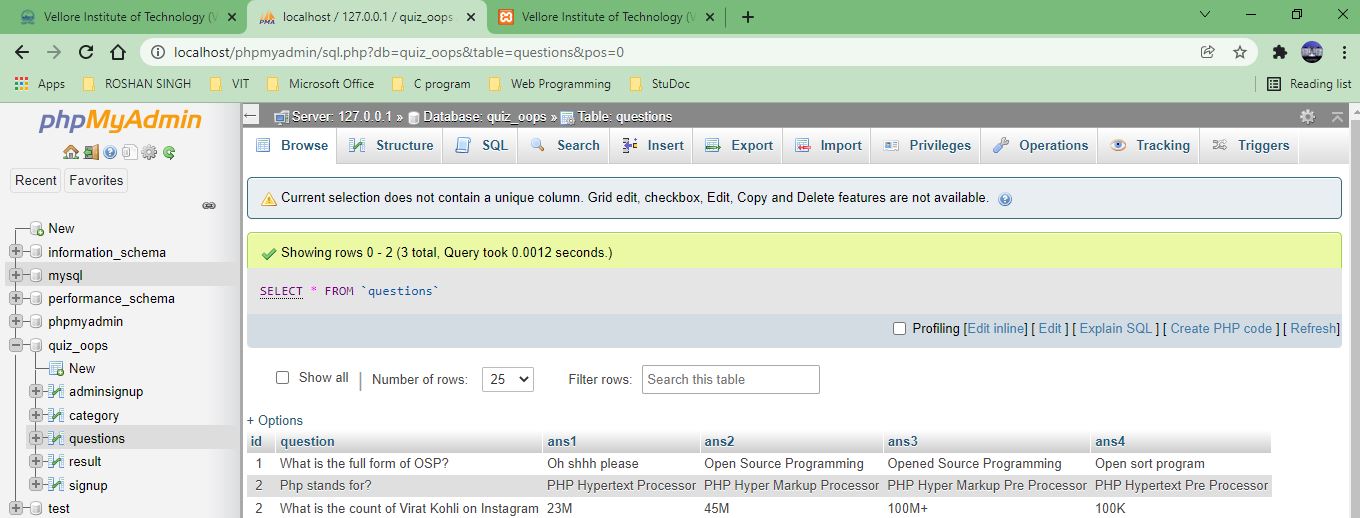
**Quiz\_oops Database**

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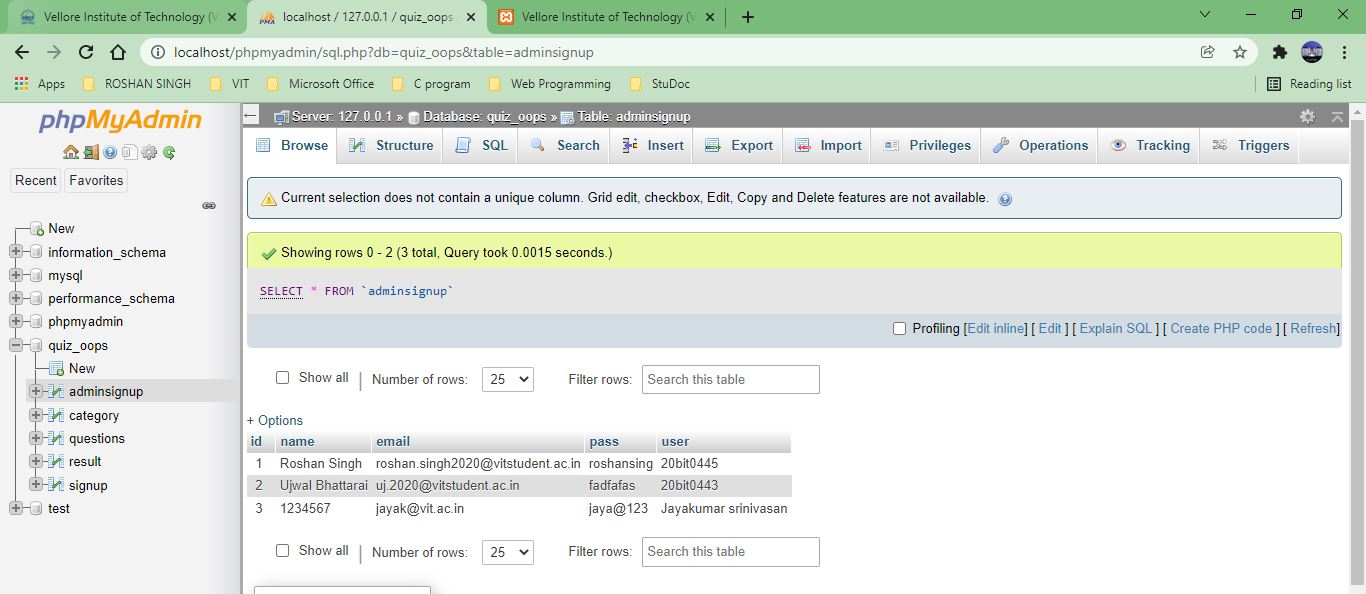
**Signup Database id->Primary Key**

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**Questions Database:- id→Primary Key cat\_id\_→ Foreign Key**

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**Adminsignup Database: - id->Primary Key**

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**CONCLUSION**

In this thesis, we have focused on the automated system, which replaces the manual quiz system. But the interesting thing is that the thesis is not just an online quiz system; it has its own intelligent capability. This was actually our target feature of our thesis. Basically, we have tried to introduce the evaluation method of student-performance in the online quiz. Here, the questions are appeared under the guidance of the admin. We have implemented it in our thesis and it works successfully in our system. In this system, an educational institute can make their examination procedure automated in their own VTOP portal. It gives the opportunity to the authority to register teachers for different subjects and also give the facility to the students to register their courses for the examinations using the OIQS. Though this is a MCQ based quiz system but it is a perfect MCQ based online quiz system that gives a lot of facilities to the users, as a modern quiz system should have. This system is designed basically for the educational institute but also can be developed for other examination systems like job interview, quiz contest and for other criteria.

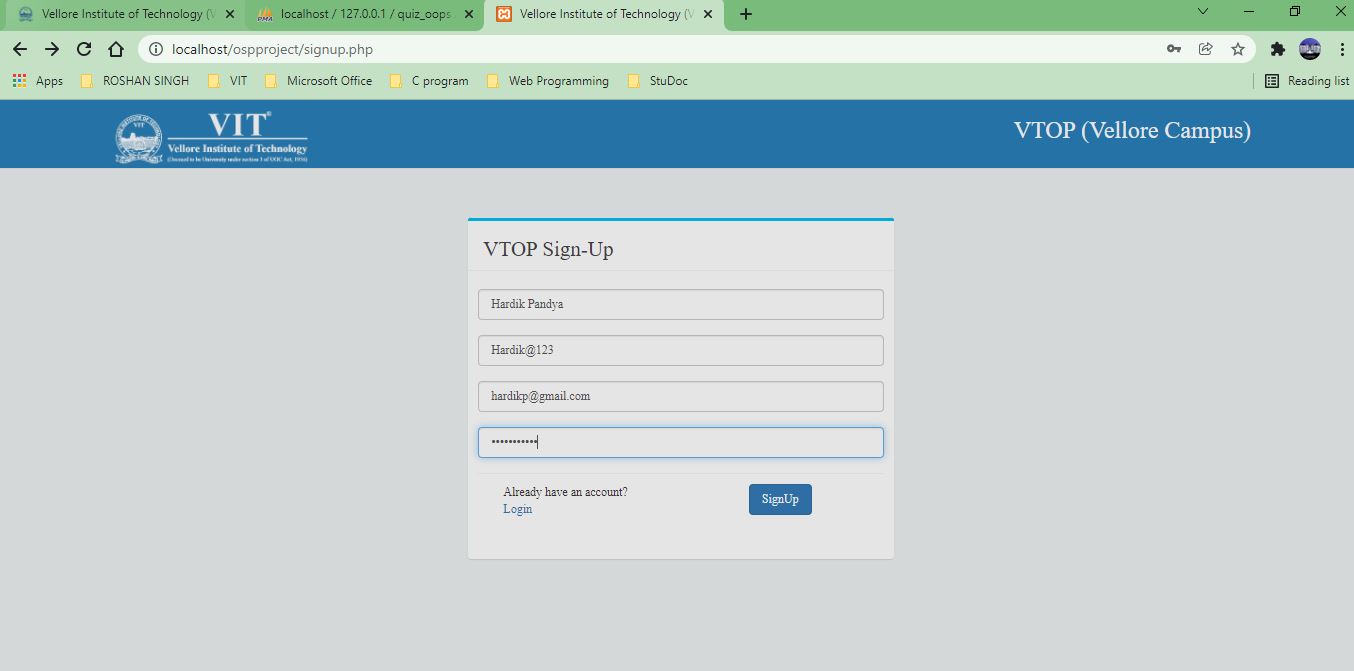
**REFERENCES**

* [**Complete PHP Tutorial:-**](https://www.youtube.com/watch?v=at19OmH2Bg4&list=PLu0W_9lII9aikXkRE0WxDt1vozo3hnmtR)
* [**PHP adding dynamic timer to page:-**](https://www.youtube.com/watch?v=MabjuyWrDI4&t=235s)
* [**PHP OOP Tutorial:-**](https://www.youtube.com/watch?v=MVEAYafrgKM&list=PL0b6OzIxLPbwoi6Urr4LZTz2AMMCtzqDt)
* [**Inserting database results into array in PHP:-**](https://www.youtube.com/watch?v=gnkI7hIC2RU)
* [**PHP Sessions:-**](https://www.youtube.com/watch?v=MElkQpJ0PO4&list=PL3Y-E4YSE4waHmKVoZ5CsviKygYUA8B92)
* [**Inserting multiple checkbox values in database:-**](https://www.c-sharpcorner.com/UploadFile/16154c/how-to-insert-multiple-checkbox-value-in-one-column-in-datab/)

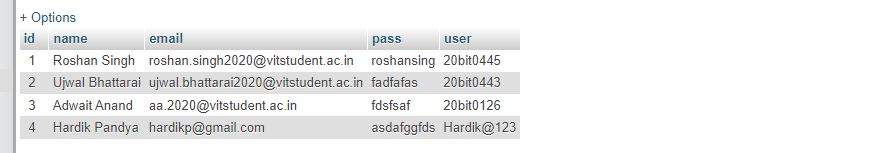
**Snapshots**

**COMPLETE FRONTEND DESIGN (STUDENT SIDE):-**

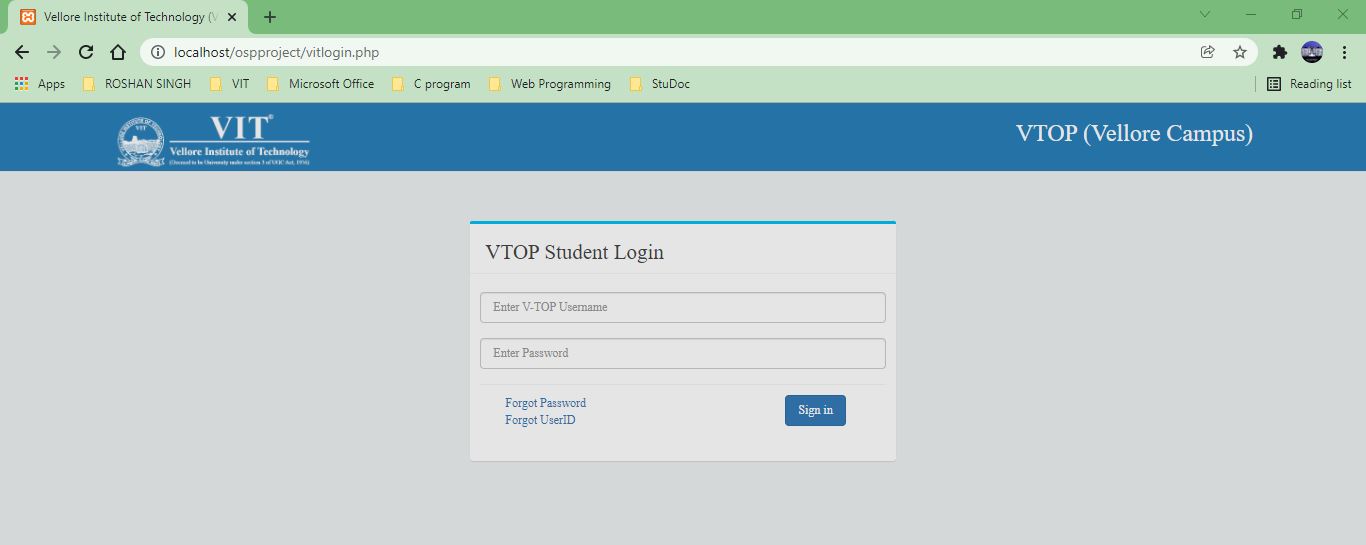
**For eg: - signup.php name=Hardik@123. email=hardikp@gmail.com. pass=Hardik@123. User=Hardik Pandya.**

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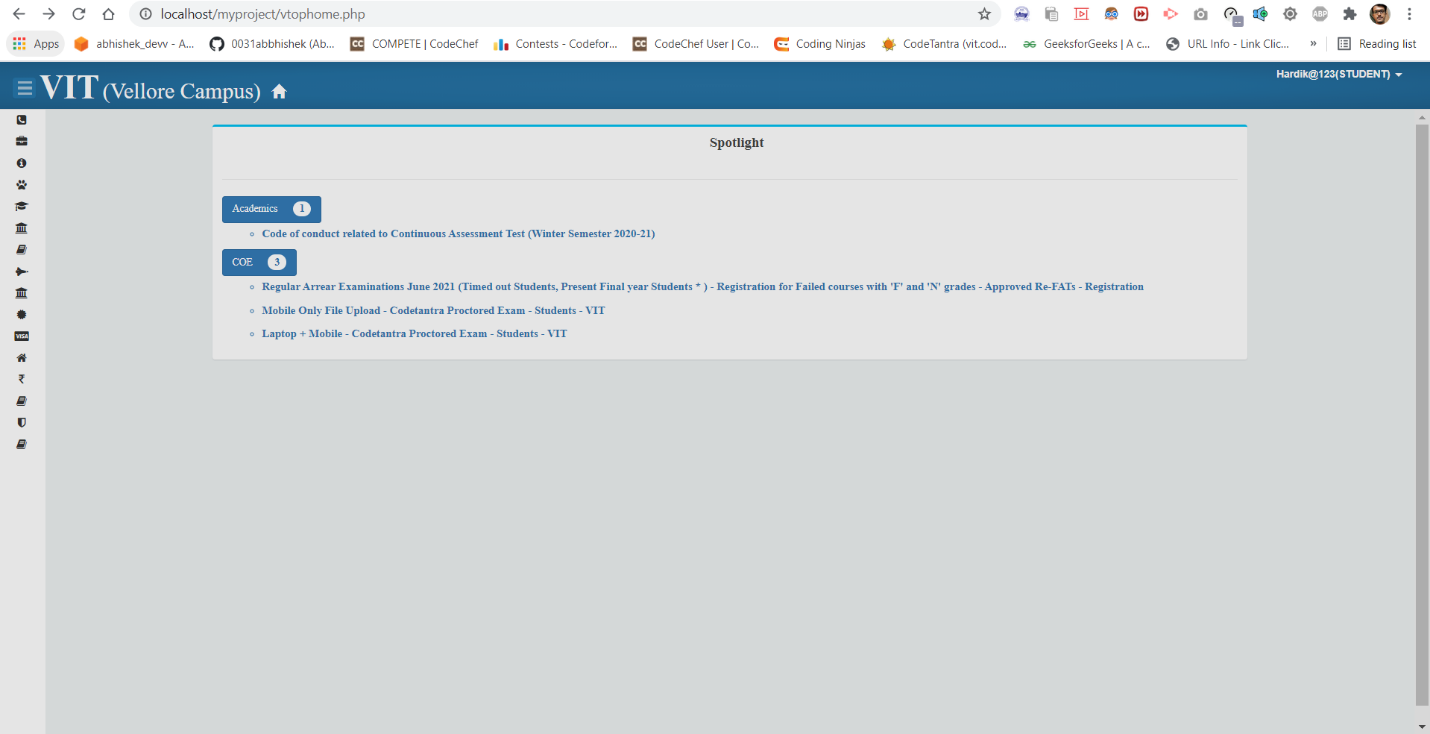
**Signup Database:- id=18 Hardik@123**

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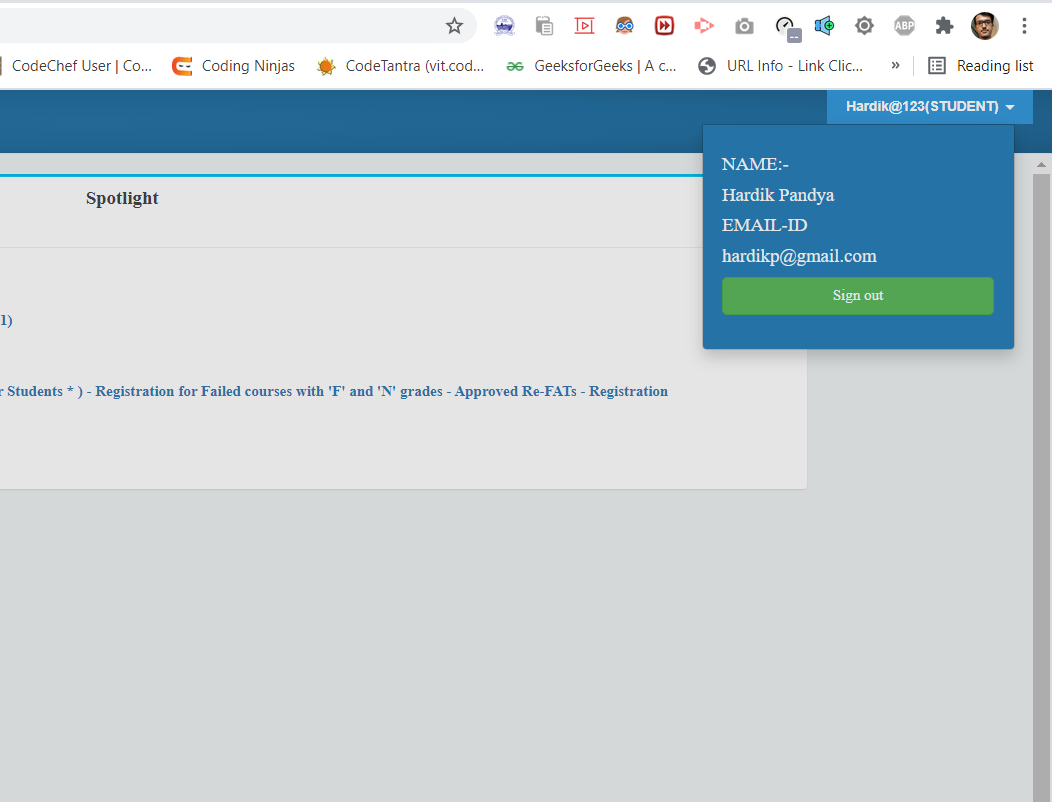
**Vitlogin.php user=Hardik@123. pass=Hardik@123.**

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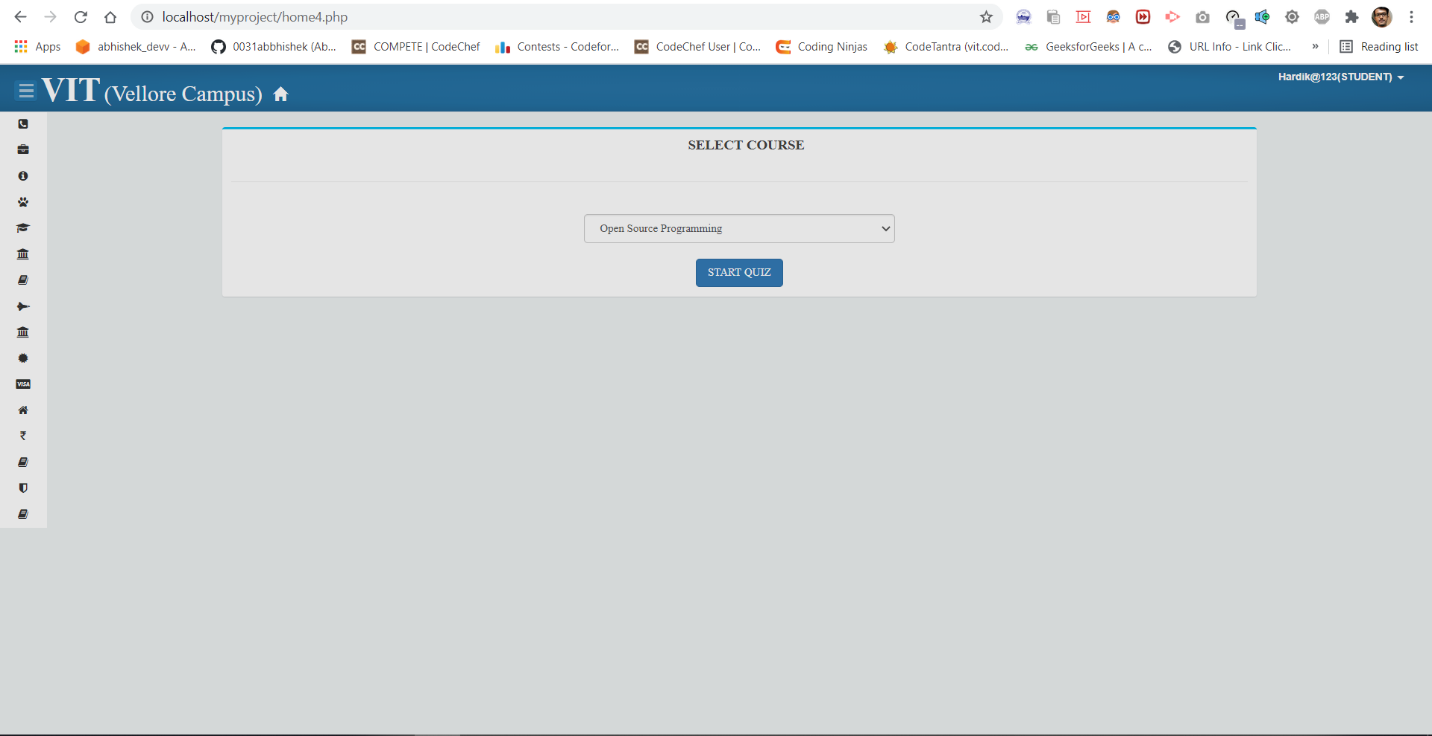
**vtophome.php**

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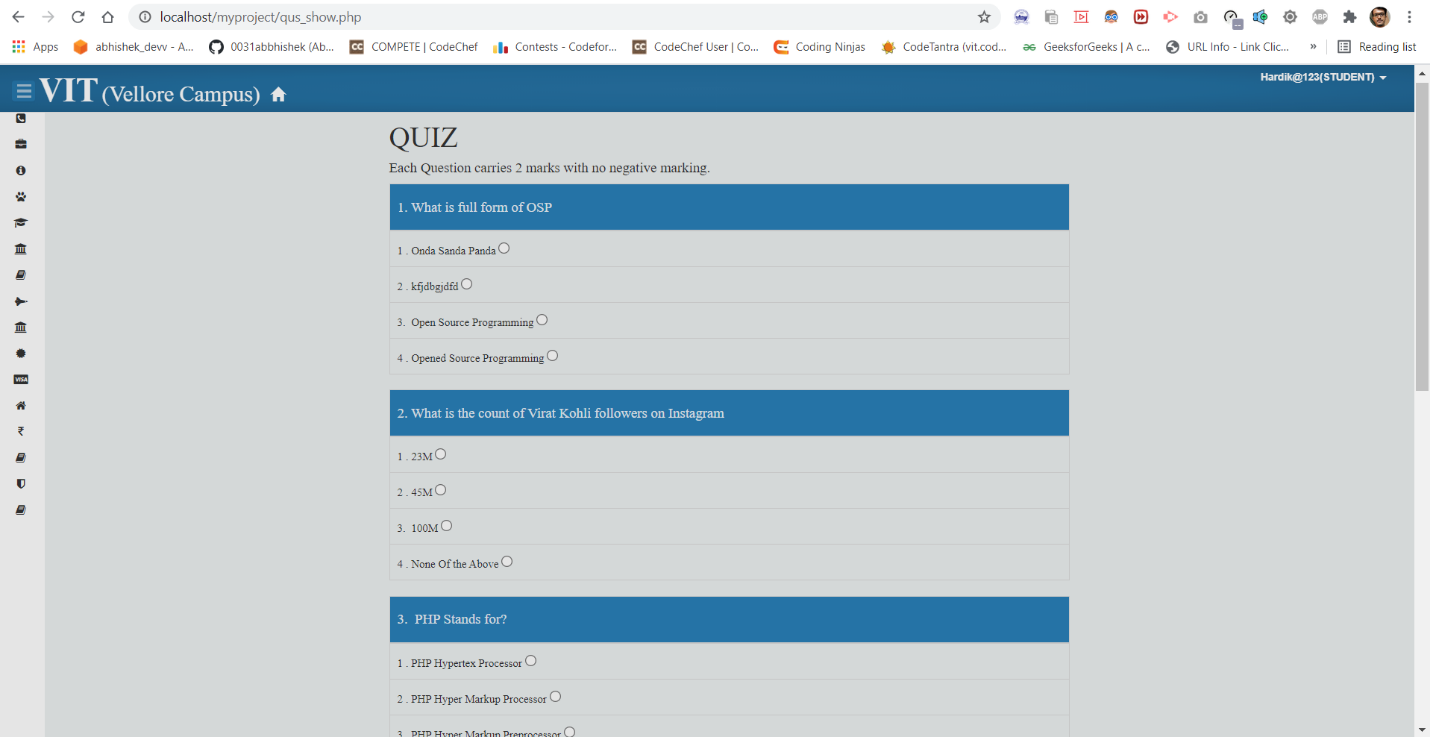
**User profile**

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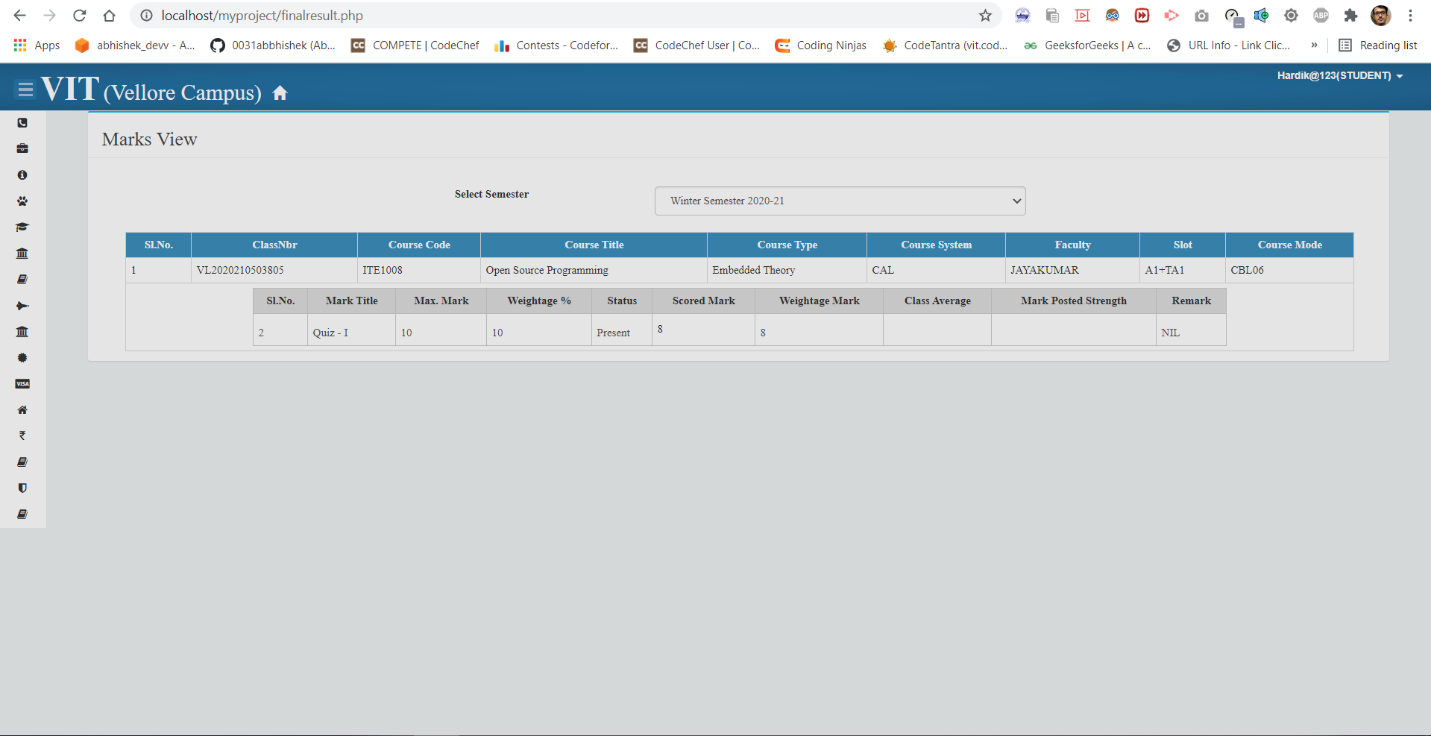
**Home4.php**

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**qus\_show.php**

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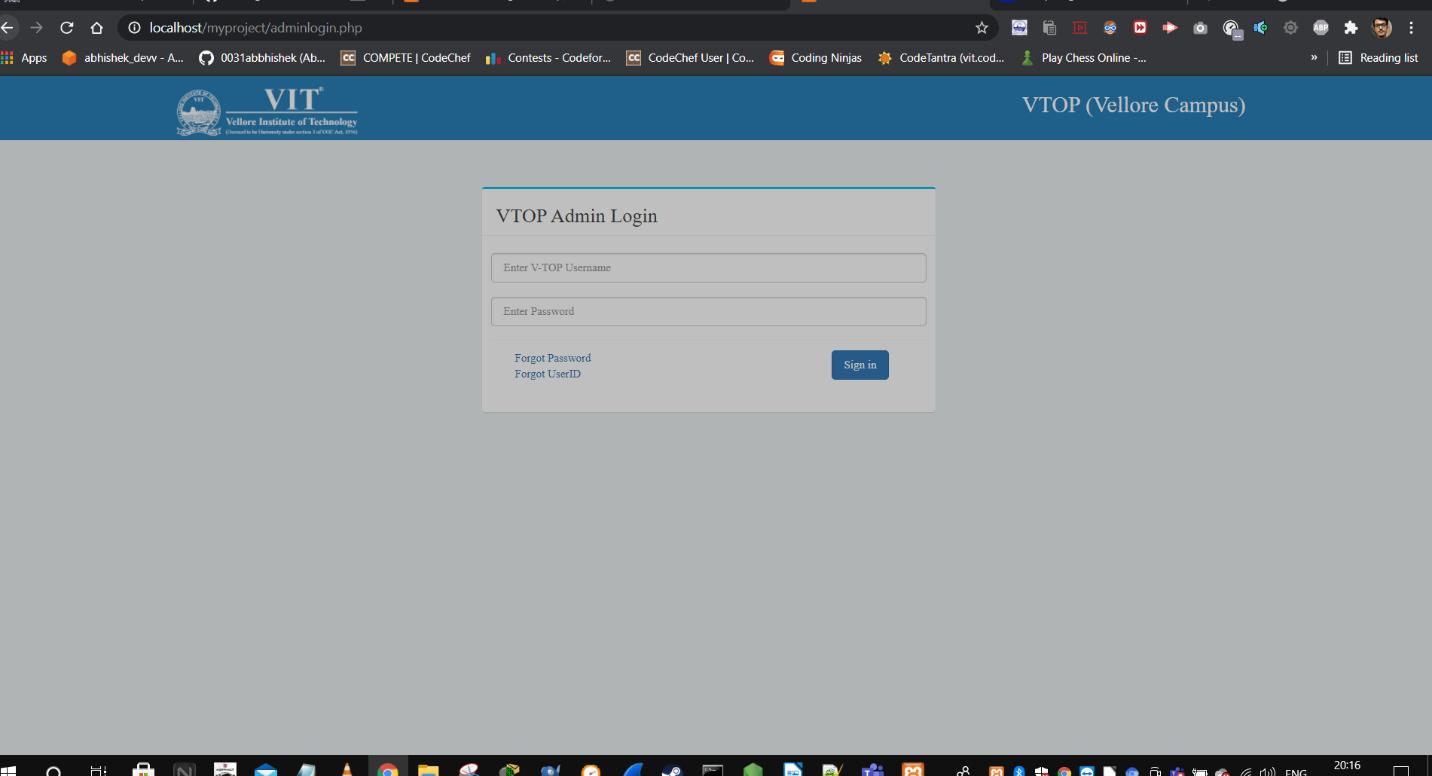
**finalresult.php**

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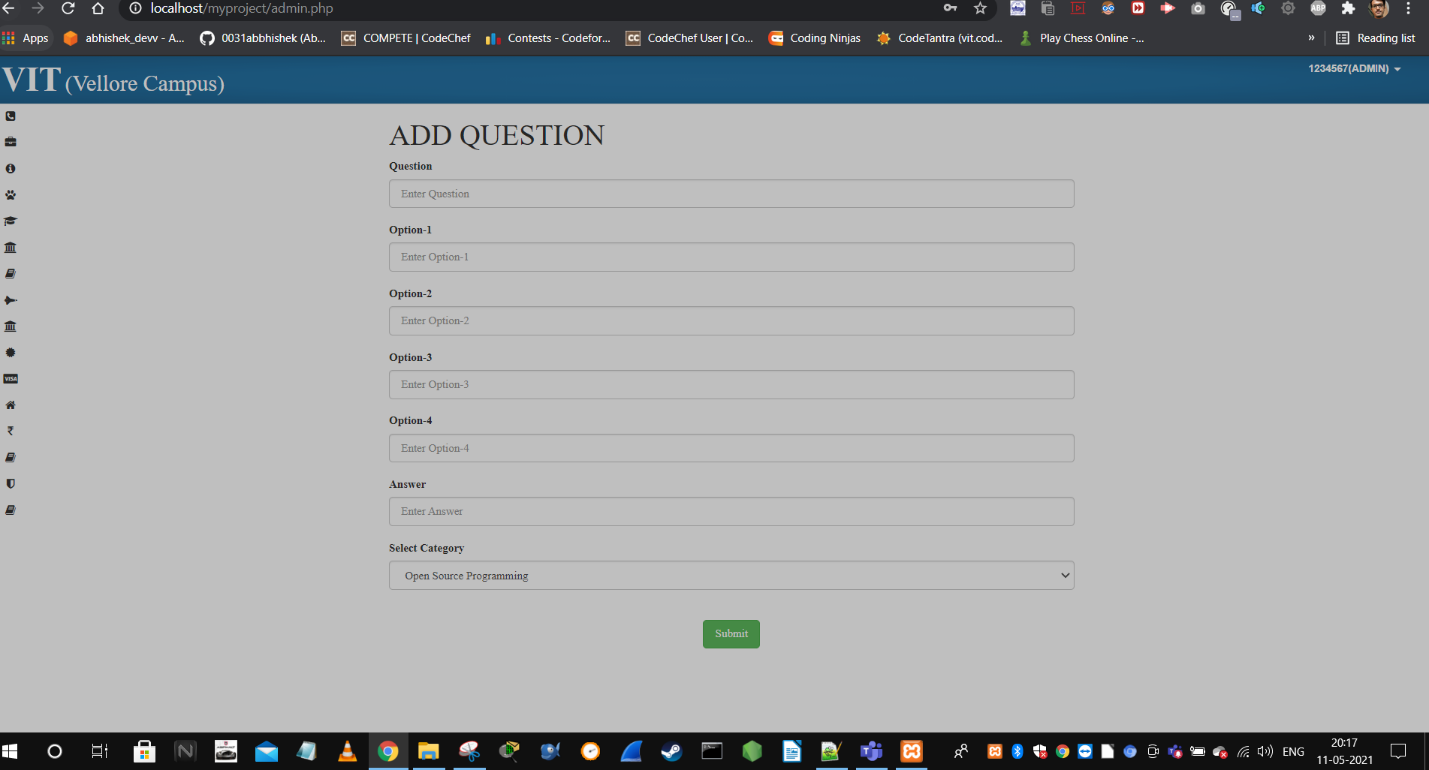
**COMPLETE FRONTEND DESIGN (ADMIN SIDE):-**

**For eg: - adminlogin.php name=Jayakumar Srinivasan. Email=jayak.vit.ac.in. pass=jaya@123. User=1234567.**

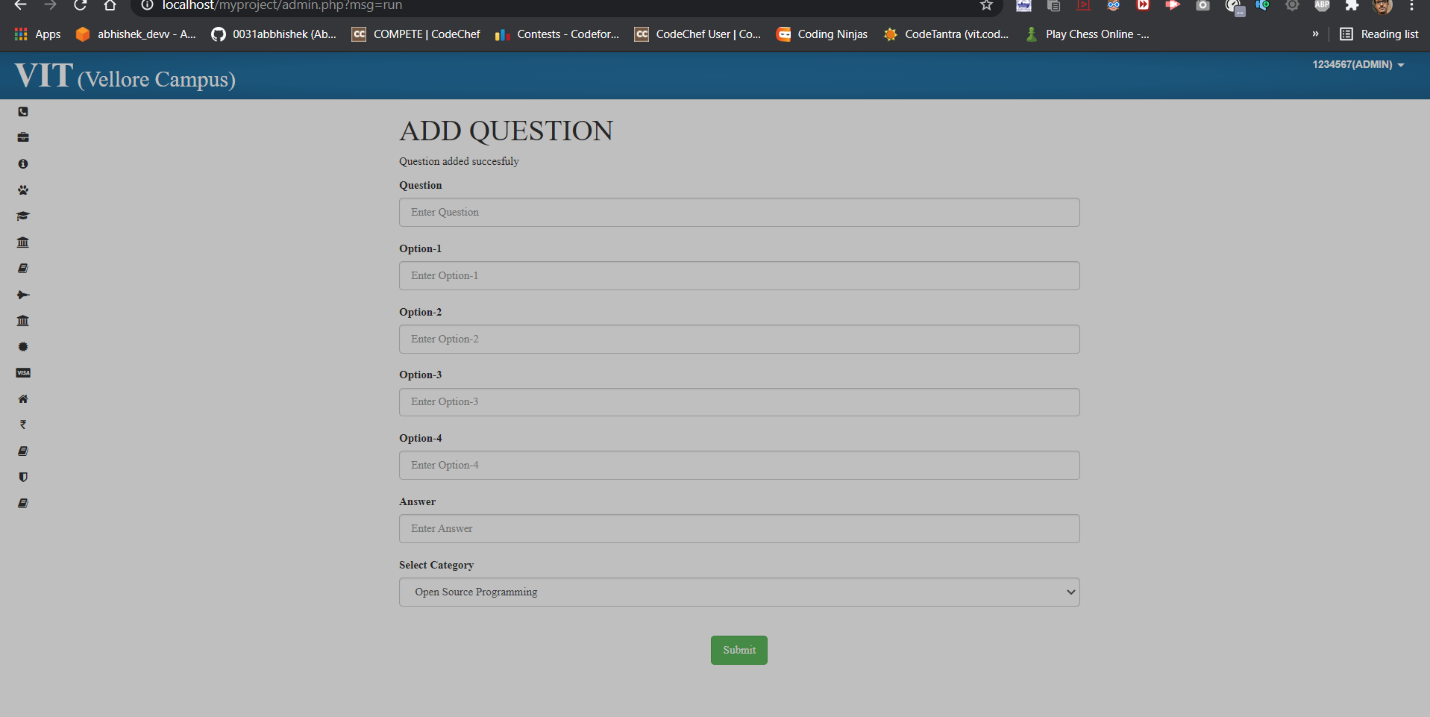
**adminlogin.php**

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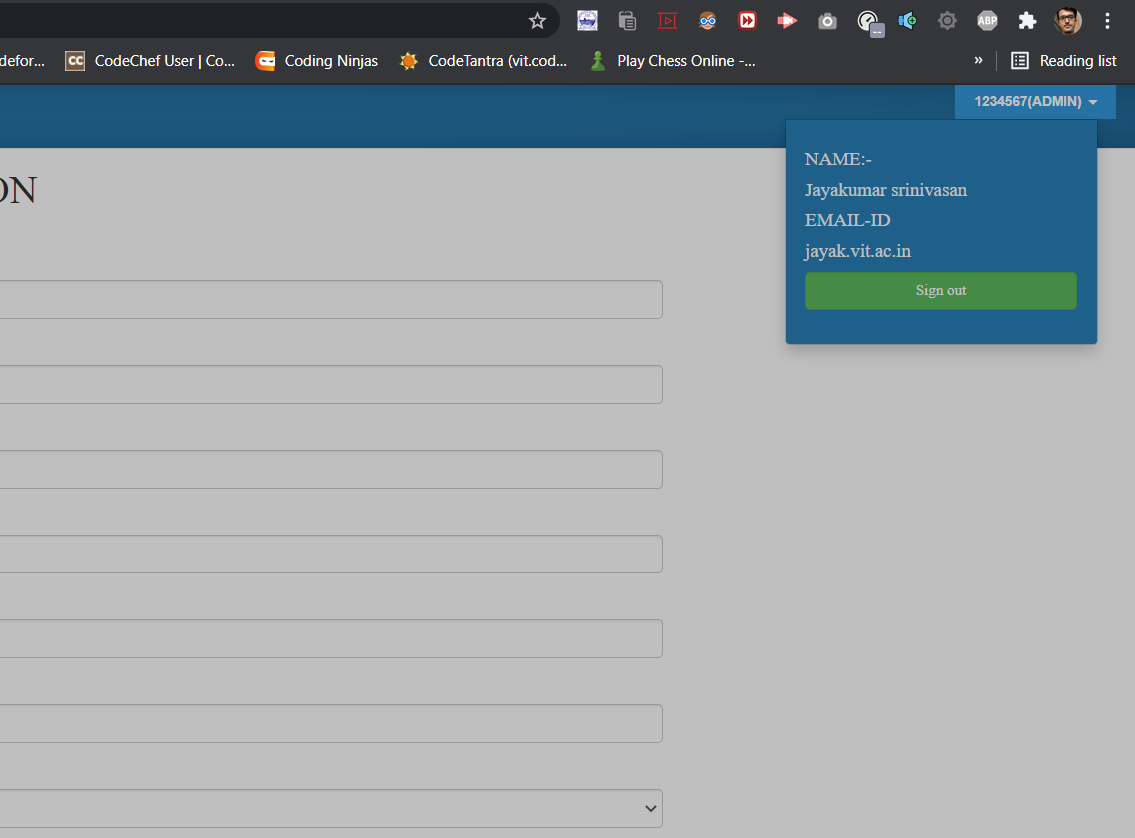
**Admin.php**

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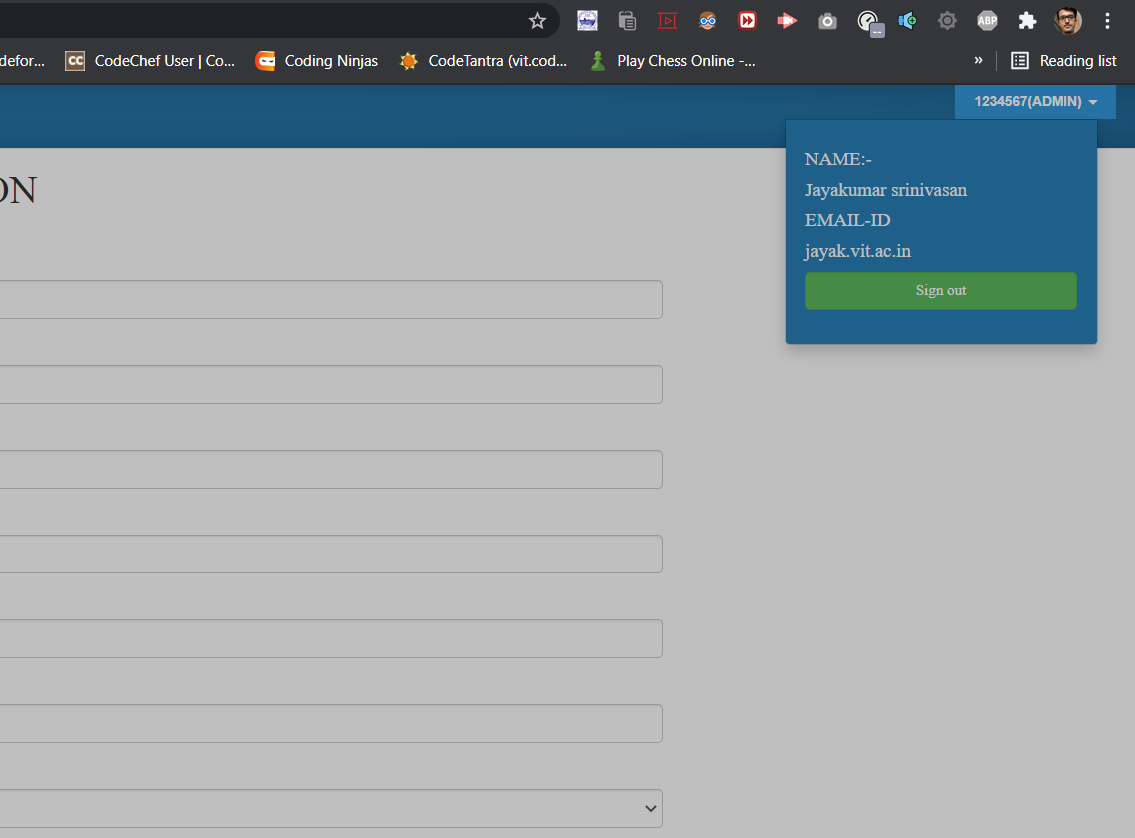
**admin.php (Question added)**

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**admin.php (Admin Login Details)**

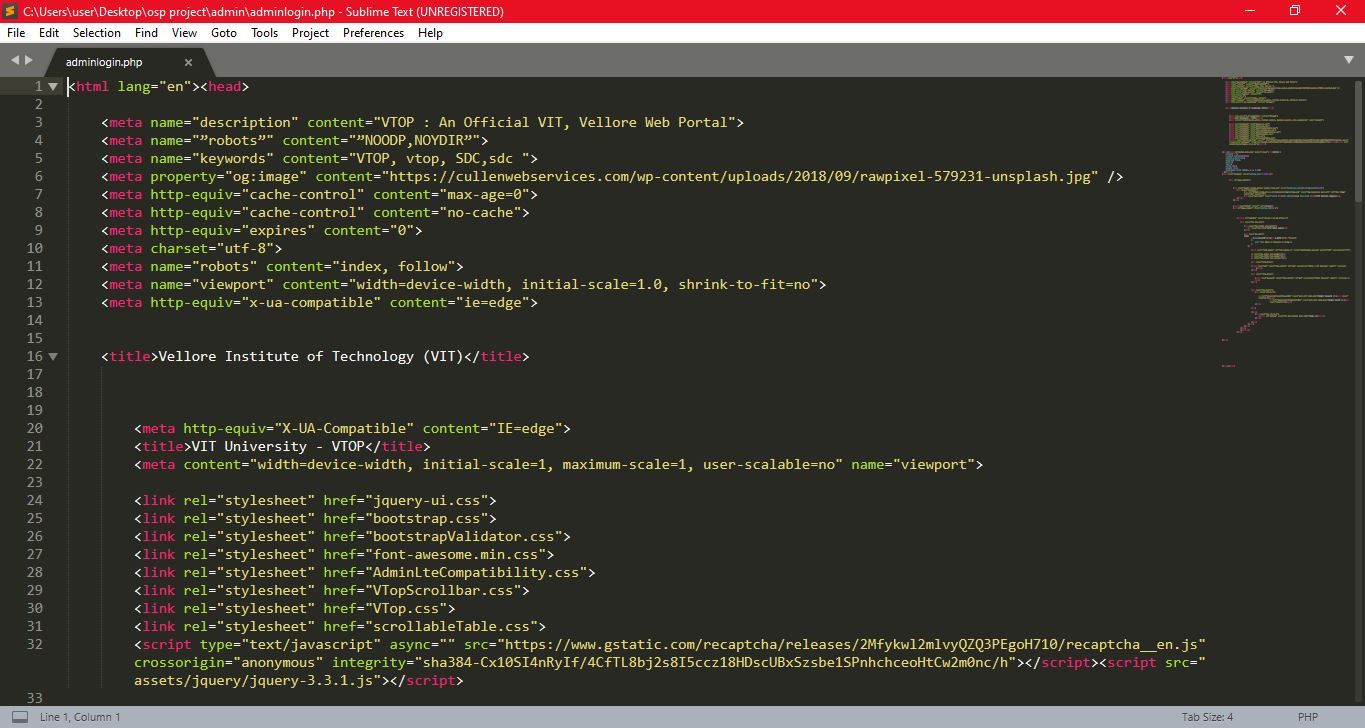
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**admin.php (Admin Login Details)**

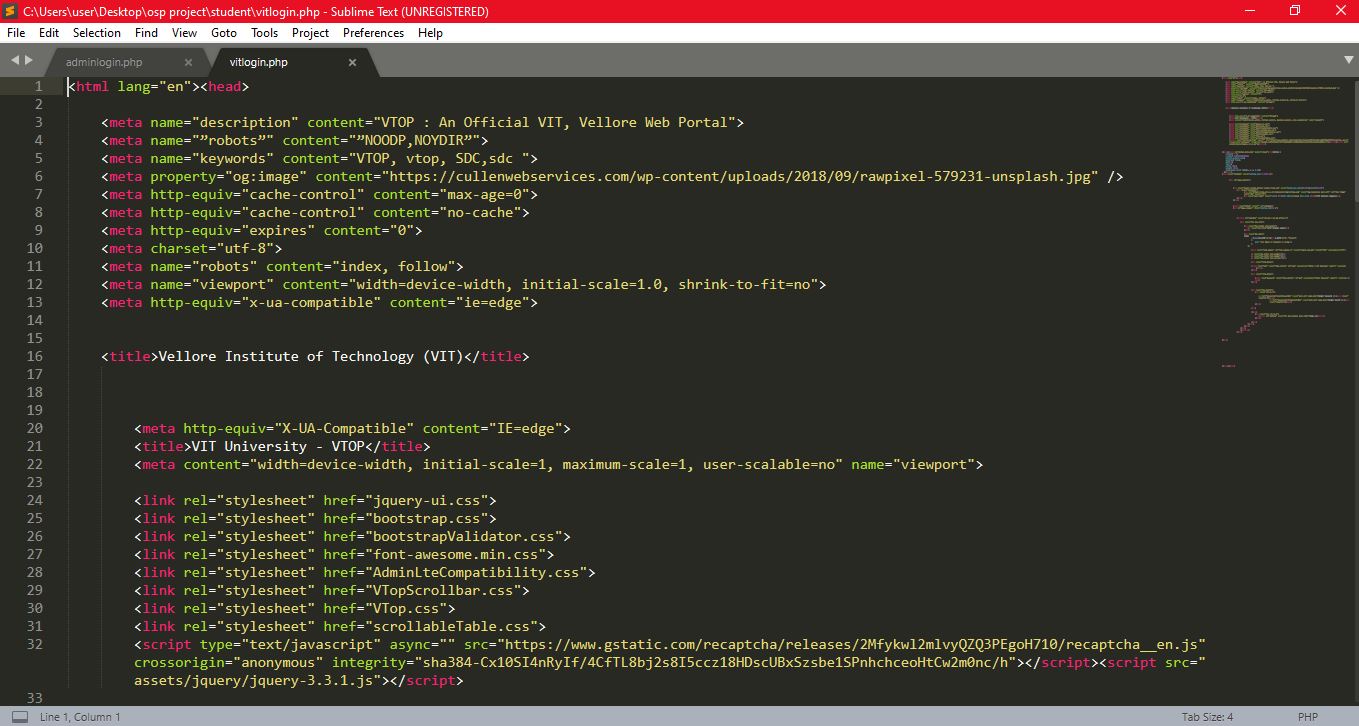
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**Code:-**

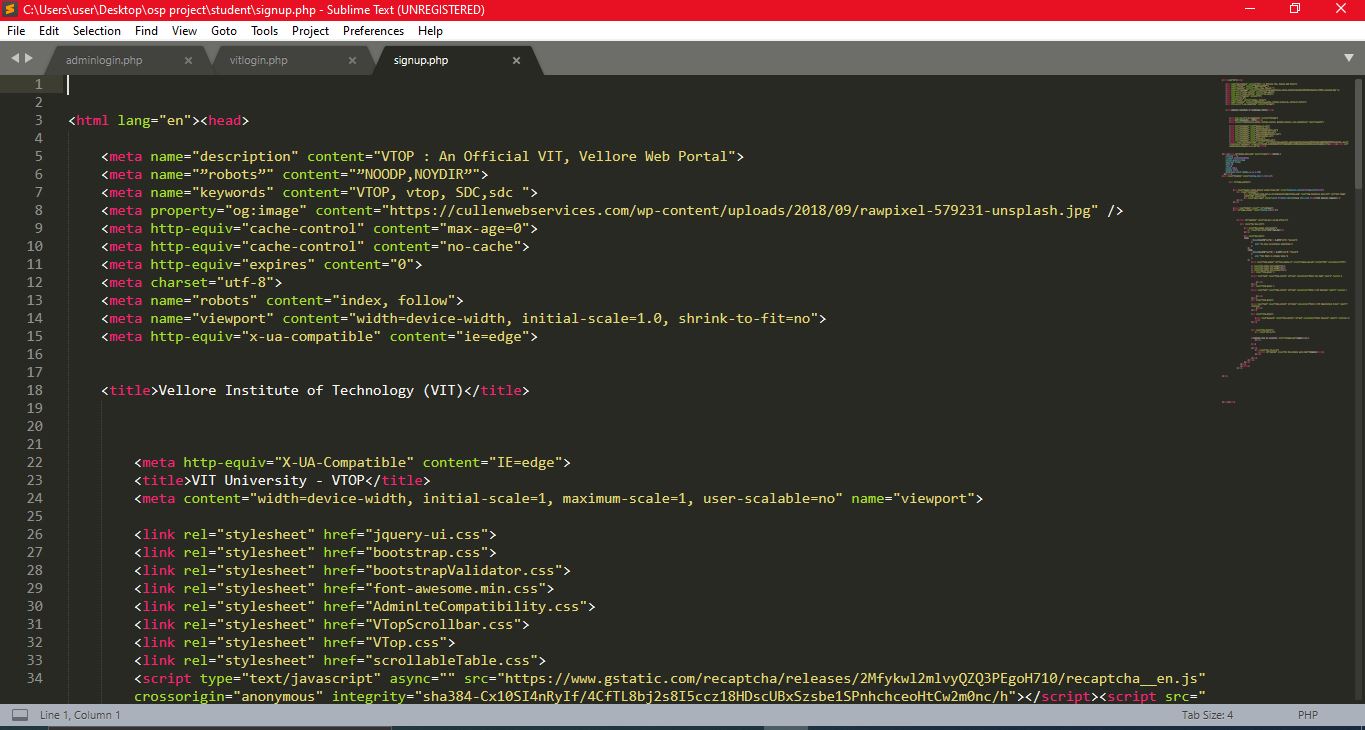
**Adminlogin.php**

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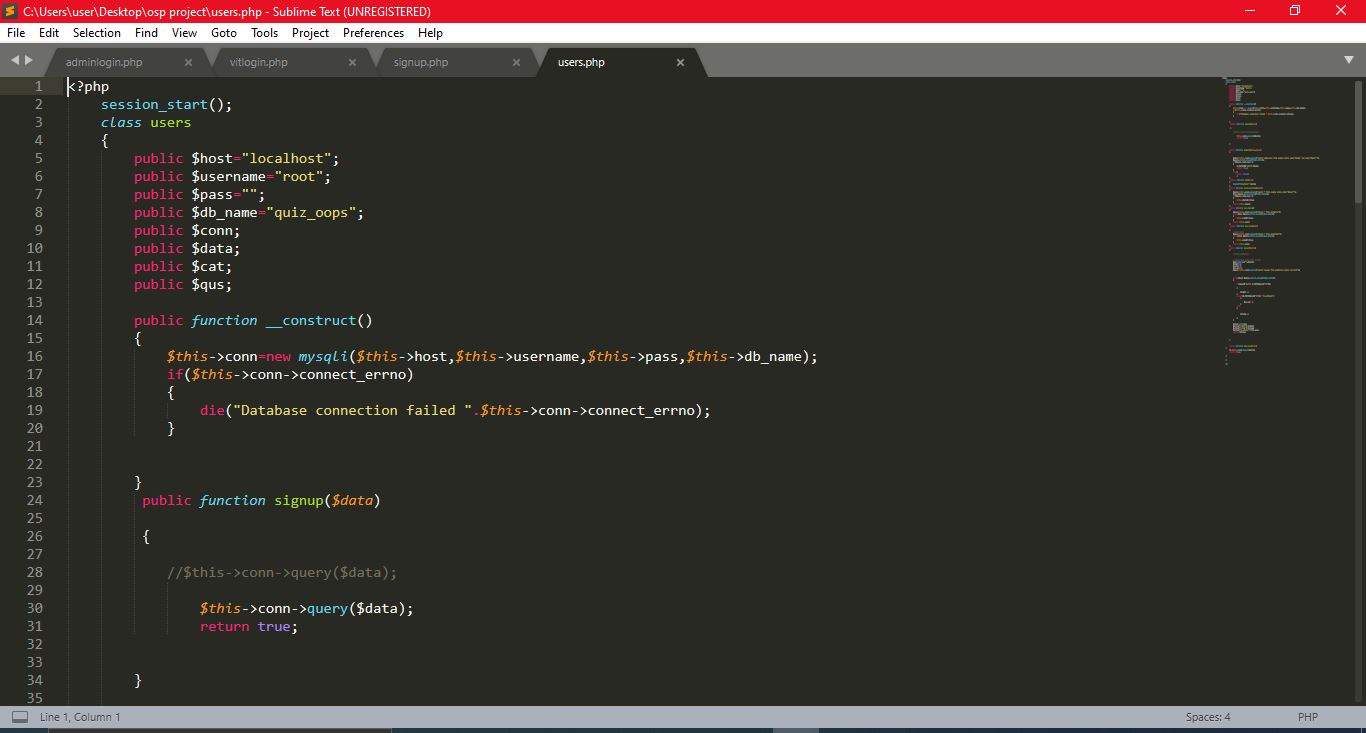
**Vitlogin.php**

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**Signup.php**

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**User.php**

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**Github link for rest of the code:-**

https://github.com/roshan-singh2020/osproject