A
Project Report
On
"Online Exam Portal"

Prepared by
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Under the guidance of

Mr. Chandrashekhar Pawar

A Report Submitted to

Charotar University of Science and Technology

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5th Semester Summer Internship-I (CS343)

Submitted at

Department of Computer Science & Engineering

Devang Patel Institute of Advance Technology and Research

At: Changa, Dist: Anand – 388421

July 2021

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

CERTIFICATE

This is to certify that the report entitled "**Online Exam Portal**" is a bonafide work carried out by **Ms. Prishita .V. Modi(19DCS064)** under the guidance and supervision of **Assistant Prof. Mr. Chandrashekhar Pawar** for the subject **CS343 Summer Internship-I** of 5th Semester of Bachelor of Technology in **Department of Computer Science & Engineering, DEPSTAR** at Faculty of Technology & Engineering – CHARUSAT, Gujarat.

To the best of my knowledge and belief, this work embodies the work of candidate himself, has duly been completed, and fulfills the requirement of the ordinance relating to the B.Tech. Degree of the University and is up to the standard in respect of content, presentation, and language for being referred to the examiner.

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DEPSTAR, CHARUSAT, Changa, Gujarat

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COMPANY CERTIFICATE

Akshar Tech

AKSHAR TECH

SOFTWARE FOR INTRICATE CONNECTION

www.akshar-tech.com

Ref: AT/VL/2021/1116

TO WHOM IT MAY CONCERN

We are glad to inform you that **Miss.Prishita V. Modi** from **Devang Patel Institute of Advance Technology and Reserach** has successfully completed her internship Program at **Akshar Tech** From **05/JUNE/2021 To 05/JULY/2021**

During this time, Management and Development of web application topic on **Online Exam Portal** that were completed in the internship Program, she was exposed to the various activities in Web-Application Development.

We found her extremely Inquisitive and hard working. She was very much interested to learn the functions of our core division and also willing to put her best efforts and get in to the depth of the subject to understand it better.

Her association with us was very fruitful and we wish her all the best in her future endeavors.

For Akshar Tech,

Digitally signed by Tilakkumar patel
DN: cn=Tilakkumar patel, o=AKSHAR TECH, ou=HO, email=akshartech18@gmail.com, c=IN
Date: 2021.07.20 15:22:33 +05'30'

Authorized Signature,
C.E.O & Solicitor.

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ACKNOWLEDGEMENT

I, the developer of a web application “Online Exam Portal”, with immense pleasure and commitment would like to present the internship project assignment. The development of this project has given me wide opportunity to think, implement and interact with various aspects of management skills as well as the new emerging technologies.

Every work that one completes successfully stands on the constant encouragement, good will and support of the people around. I hereby avail this opportunity to express my gratitude to number of people who extended their valuable time, full support, and cooperation in developing the project.

I express deep sense of gratitude towards our Head of the CSE Department, Mr. Parth Goel internal project guide Prof. Chandrashekhar Pawar and external guide Mr. Tilak Kumar Patel for the support during the whole session of internship. It is because of them, that I was prompted to do hard work, adopting new technologies.

They altogether provided me valuable inputs and guidance, and without them it would not have been possible to achieve my goal.

Thanks,
Prishita Modi

ABSTRACT

Today Online Examination Portal has become a fast-growing examination method because of its speed and accuracy. It is also needed less manpower to execute the examination. Almost all organizations now-a-days, are conducting their objective exams by online examination portal , it saves students time in examinations. Organizations can also easily check the performance of the student that they give in an examination. As a result of this, organizations are releasing results in less time. It also helps the environment by saving paper. According to today's requirement, online examination portal is very useful to learn it

The purpose of Online Exam Portal is to take online test in an efficient manner and no time wasting for checking the paper. The main objective of Online Exam Portal is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves lot of time but also gives fast results. For students they give papers according to their convenience and time.

TABLE OF CONTENTS

ACKNOWLEDGEMENT iv
ABSTRACT v
ABOUT THE ORGANIZATION 1
CHAPTER 1: INTRODUCTION 2
CHAPTER 4: SOFTWARE AND HARDWARE REQUIREMENTS 11
CHAPTER 5: DATABASE STRUCTURE 14
CHAPTER 6: SYSTEM FLOWCHART 16
CHAPTER 7: PROJECT OUTPUTS 16
CHAPTER 8: PROJECT LIMITATION 31
CHAPTER 9: PROJECT OUTCOMES 33
CHAPTER 10: FUTURE ENHANCEMENTS 35
CHAPTER 11: REFERENCES 37

TABLE OF FIGURES

Fig. 6.1 System Flowchart 17
Fig. 7.1 HOMEPAGE 1 17
Fig. 7.2 HOMEPAGE 2 17
Fig. 7.3 HOMEPAGE 3 18
Fig. 7.4 ADMIN REGISTRATION 19
Fig. 7.5 ADMIN SIGNUP 19
Fig. 7.6 ADMIN DASHBOARD 20
Fig. 7.7 EXAM LIST 1 21
Fig. 7.8 EXAM LIST 2 21
Fig. 7.9 QUESTION LIST 22
Fig. 7.10 EDIT QUESTION DETAILS 22
Fig. 7.11 EXAM LIST 3 23
Fig. 7.12 EXAM RESULT 1 23
Fig. 7.13 EXAM RESULT PDF 24
Fig. 7.14 TO DO 24
Fig. 7.15 USER REGISTRATION 25
Fig. 7.16 USER SIGN UP 25
Fig. 7.17 USER DASHBOARD 26
Fig. 7.18 USER EXAM ENROLL 1 26
Fig. 7.19 USER EXAM ENROLL 2 27
Fig. 7.20 USER EXAM ENROLL 3 27
Fig. 7.21 ENROLLED EXAM LIST 28
Fig. 7.23 EXAM 1 28
Fig. 7.24 EXAM 2 29
Fig. 7.25 RESULT 29
Fig. 7.26 RESULT PDF 30

ABOUT THE ORGANIZATION

Akshar Tech is an Software Development, Website Designing, Digital Marketing, Professorial Services Organization at Valsad, Gujarat (IND). They turn the digital dreams of there Clients into a reality They work closely with their users throughout development to ensure that they are still aligned with the end-goal. They are committed to producing exceptional software for each of there clients.

Akshar Tech vision is to develop in a constant manner and grow as a major IT service provider to become a leading performer, in providing quality Web and Software Development solutions in the competitive global market. They always guide their Clients to success. They wish to never compromise on standard, quality and serve people across the world.

Akshar Tech mission is to provide IT services, Software solutions and Legal Advising that enable client to manage their Hour-to-Hour routine work more efficiently and at an reasonable cost.

CHAPTER 1: INTRODUCTION

PROJECT OVERVIEW

In the world of internet, all task has been done through internet, so we have decided why Exam has not conducted through internet. For convert current exam system into digital exam system, we have build this small Online Exam Portal project.. In this system it will required less labor force for execute system and it will be more accurate and less time consuming and at the same time we can conduct more person exam at the same time and it will publish result in a very short time. Below you can find benefits of Online Examination Portal. If this system has been implemented then examination will not limited in to four wall of class room, but student can part into exam from any place.

DEFINATION

Build an "ONLINE EXAM PORTAL" where admin can conduct digital exam and user can take the same and publish the result in very short time.

ABOUT

This is a computer-based examination system so very less possibility of human errors. In Online examination portal project admin has rights to create, edit and delete classes, subjects, questions and setup new papers for the examination.

This system uses SQL Server as database, so it provides a secure access to the authorized person and keep unauthorized person away from the exam database.

Students are given separate ID and password. Students can login through it and attempt their online exam. After examination students as well as admin can also take print out of the exam result.

SCOPE

- This can be used in educational institutions as well as in corporate world.
- Can be used anywhere any time as it is a web-based application (user Location doesn't matter).
- No restriction that examiner must be present when the candidate takes the test.

FEATURES

- Online Exam Portal will Save Organisation and Student Money.
- Online Exam Portal will Securely Store Exam Question Papar and it will directly visible to Student who has taken part in Exam.
- Online Exam Portal will Save the Cost of Paper, because Exam will be conduct online.
- Online Exam Portal will reduce the cost of logistic for deliver question paper on examination centre.
- Online Exam Portal will save the time of both Institution who has conduct examination and student who has taken part in Exam.
- Online Exam Portal will provide Remote Supervision by using security feature of this system.
- Online Exam Portal will reduce the time of publish exam result with Ranking, because in single click result will be generated.
- Online Exam Portal will give us history of old examination in a single click.
- Online Exam Portal has provide all student information in single plateform.
- Online Exam Portal has provide facility to use to take part by using any electronic device in which internet access facility available.

CHAPTER 2: ADMIN MODULE

Admin Module

The admin can perform the following activities:

1. Authentication
2. Dashboard
3. ToDo List
4. Schedule exam
5. Add Questions
6. View students enrolled
7. View result and download PDF of same

Authentication

Admin need to create account on Homeschool using admin registration option provided. After creating an account admin can login for the further use.

Dashboard

After successful login ,admin land on the dashboard which provides option of

I. TODO LIST
II. EXAM LIST
III. STUDENTS ENROLLED

ToDo List

In todo list, admin can add all the pending and todo items and do mark as done when completed.

Schedule Exam

After login, admin needs to add exam details for the scheduled exam and can also edit it in case if needed.

Add Questions

After scheduling exam,admin needs to add questions for the exam and can view and edit the same if needed.

View Students Enrolled

After completion of exam, admin can view all the students that have enrolled in the exam.

View Result and download PDF

Once the exam is completed,admin can view the result of the exam and can also download it in PDF form.

FEATURES OF ADMIN MODULE

1. Admin Can Create New Online Exam with Edit and Delete Feature
2. Admin Can Add Question in Exam which has been define at the time of create exam
3. Admin Can View All Exam Question with Edit and Delete Operation
4. Admin Can view all user data who has register for online examination system
5. Admin can view all user who has enroll for particular exam
6. Admin can view individual user exam result on web page and in PDF format
7. Admin can view combine result of exam with user rank on web page and in PDF format

CHAPTER 3: USER MODULE

User Module

The user can perform the following activities:

1. Authentication
2. Dashboard
3. ToDo List
4. Enroll in the scheduled exam
5. Give enrolled exam
6. View result and download PDF

Authentication

User need to create account on Homeschool using user registration option provided. After creating an account user can login for the further use.

Dashboard

After successful login ,user lands on the dashboard which provides option of

I. TODO LIST
II. ENROLL IN SCHEDULED EXAM
III. EXAM LIST

ToDo List

In todo list, user can add all the pending and todo items and do mark as done when completed.

Enroll In Scheduled Exam

User can enroll in the scheduled exam, once enrolled it will show enrolled successfully.

Exam List

Can view all the scheduled exams that user has enrolled.

Exam

Once the exam has started,user can view the exam and give he same. Timer is provided while giving exam and also the details of the students.

View result and download PDF

After the completion of the exam,user can view the result of the exam and can also download the same with the user details.

FEATURES OF USER MODULE

1. New User Registration for Online Examination.
2. User can Login into System using Email ID and Password
3. User can view available examination list
4. User can enroll into examination
5. User can attend online examination at the define date and time
6. User can view the history of exam which he or she had enroll
7. User can view the exam result on Web page and in PDF format also.

CHAPTER 4: SOFTWARE AND HARDWARE REQUIREMENTS

SOFTWARE REQUIREMENTS

1. Operating System: Windows,
2. Web Browser: Google Chrome, Microsoft Edge

HARDWARE REQUIREMENTS

1. Fast computer processing
2. Sufficient network bandwidth

FRONT END:

1. HTML 5 - For make HTML Web page
2. jQuery - For easier to use Javascript on web page
3. Ajax - For Perform Server operation at client side
4. Bootstrap 4 - For make Responsive Online Exam System
5. jQuery Datatable Plugin - For list data on web page in table format with different feature like searching sorting etc.
6. Parsley.js - For Validate form data at client side
7. Bootstrap Datetimepicker - User for Data and time field form data
8. TimeCircles - For Display remaining exam time on web page.

BACK END:

1. PHP - For write system login
2. Mysql - For store system data
3. DomPdf - For generate exam result in PDf format

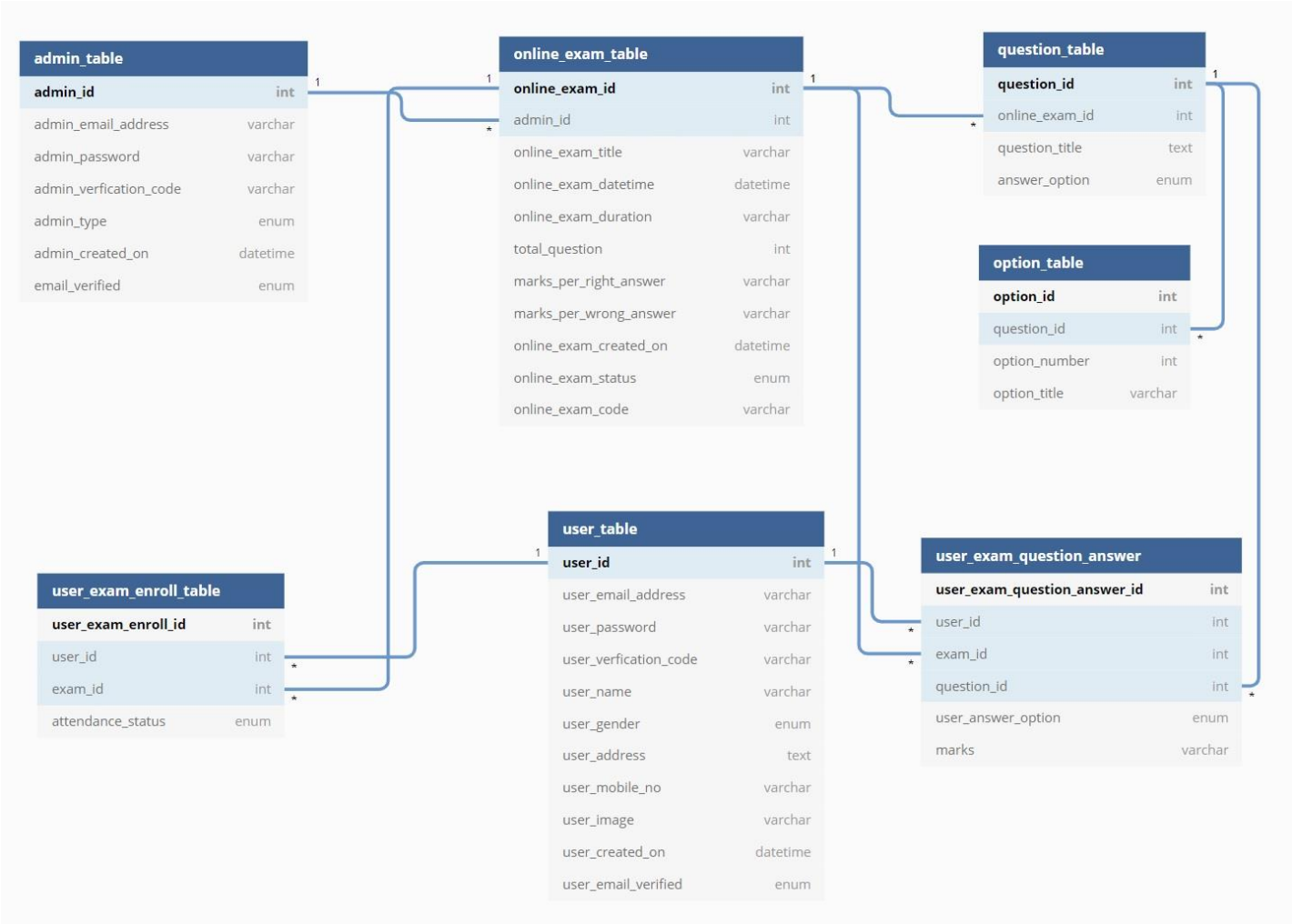
WEB SERVER:

WAMP SERVER

DATABASE:

PHPMYADMIN

CHAPTER 5: DATABASE STRUCTURE


admin_table
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admin_password varchar
admin_verfication_code varchar
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email_verified enum
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marks_per_wrong_answer varchar
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user_answer_option enum
marks varchar

CHAPTER 6: SYSTEM FLOWCHART

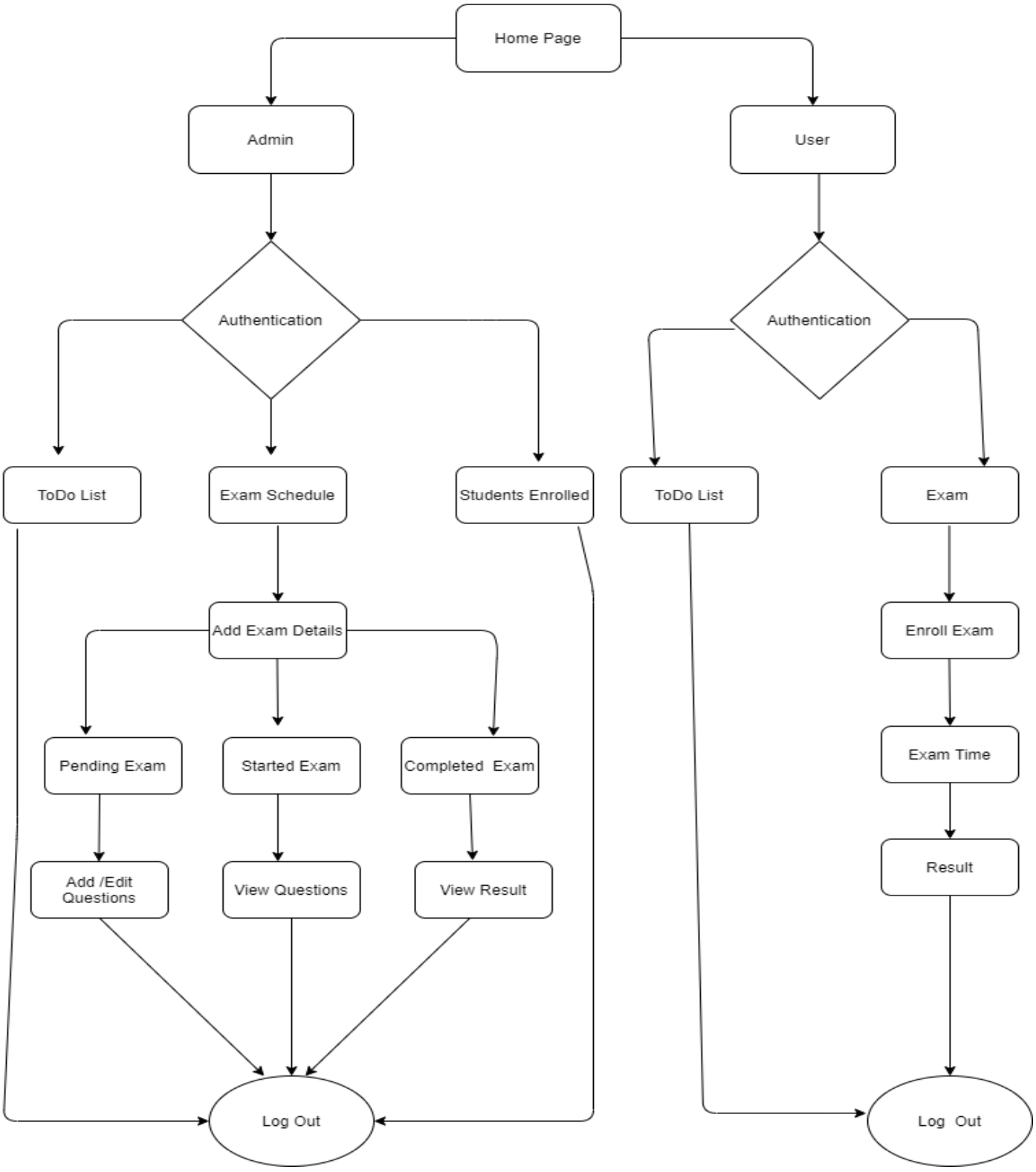


Fig. 6.1 System Flowchart

CHAPTER 7: PROJECT OUTPUTS

HOMEPAGE

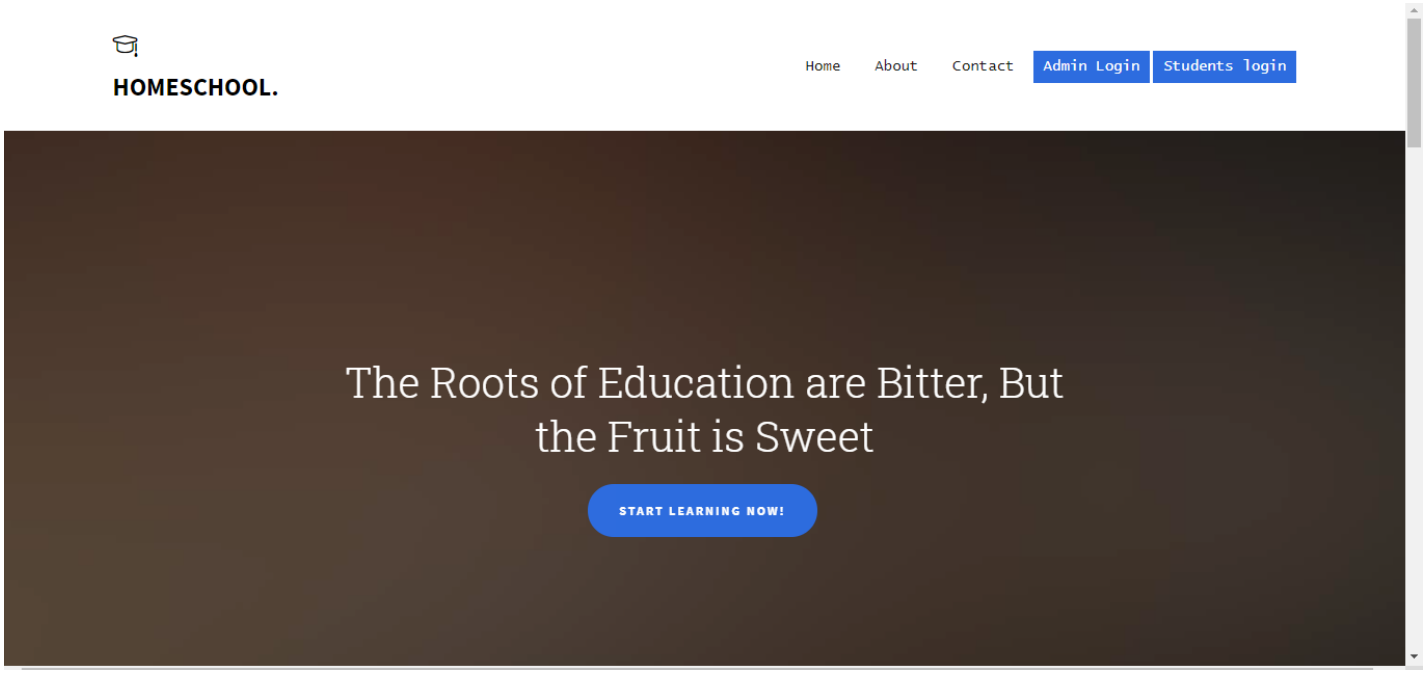


Fig. 7.1 HOMEPAGE 1

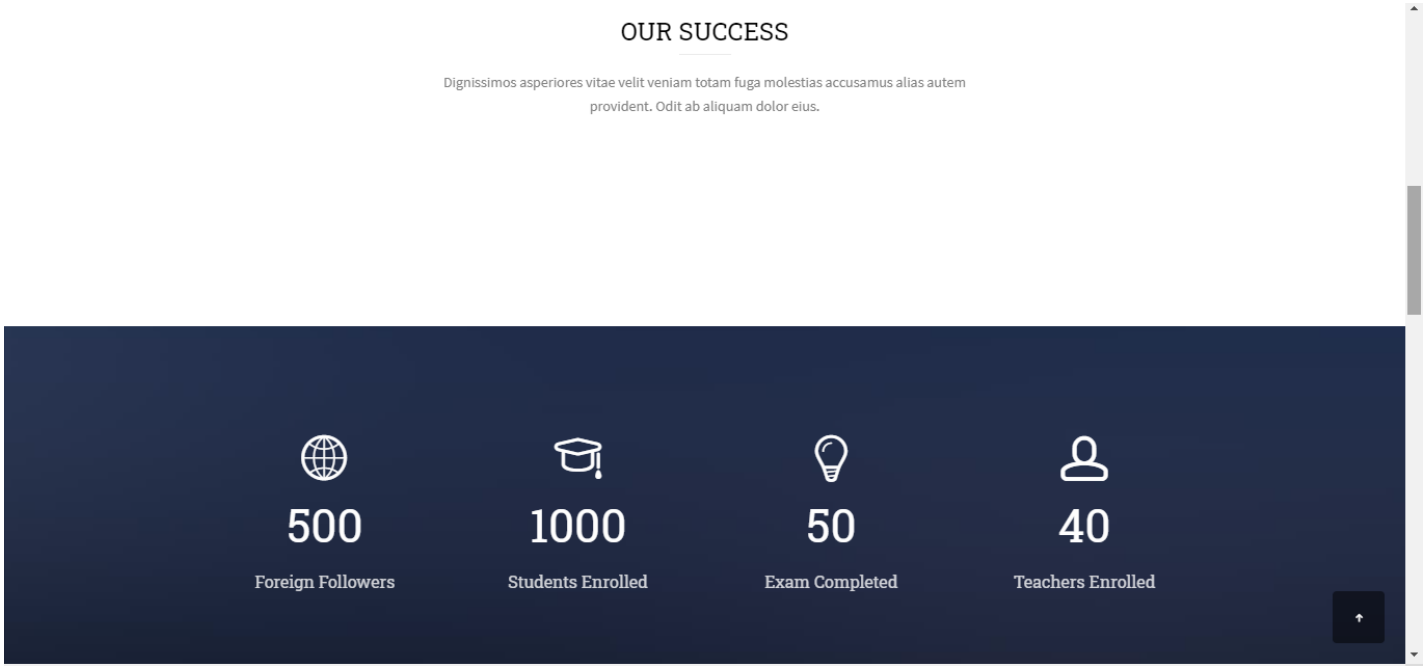


Fig. 7.2 HOMEPAGE 2

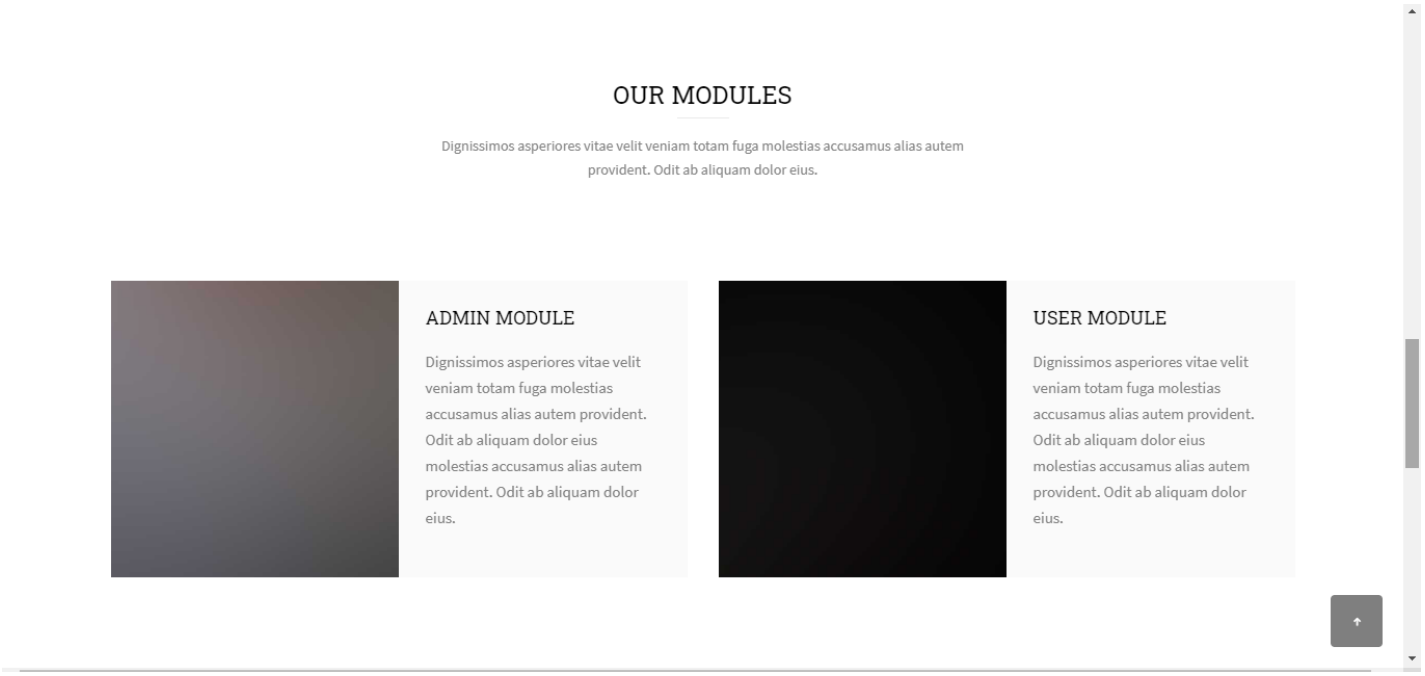


Fig. 7.3 HOMEPAGE 3

ADMIN MODULE

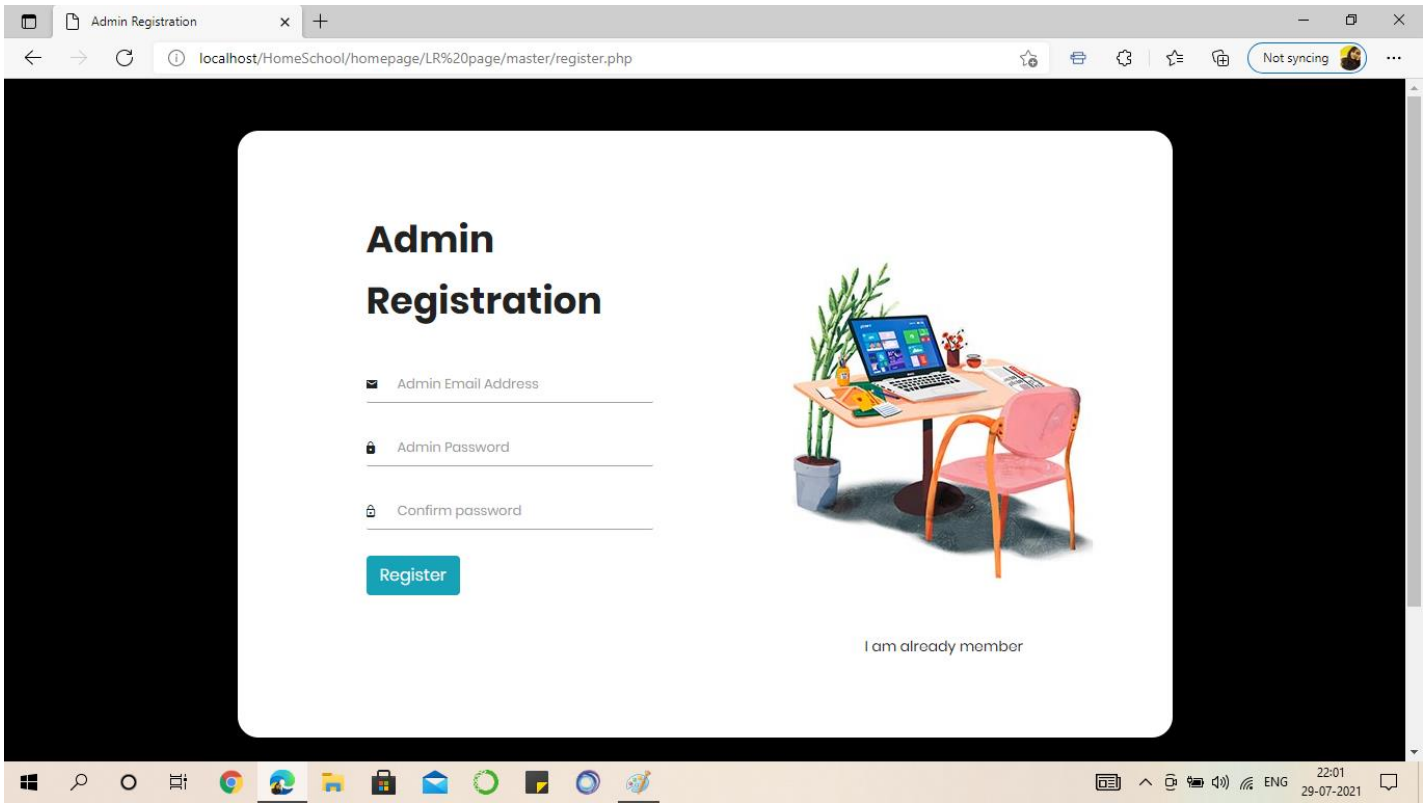


Fig. 7.4 ADMIN REGISTRATION

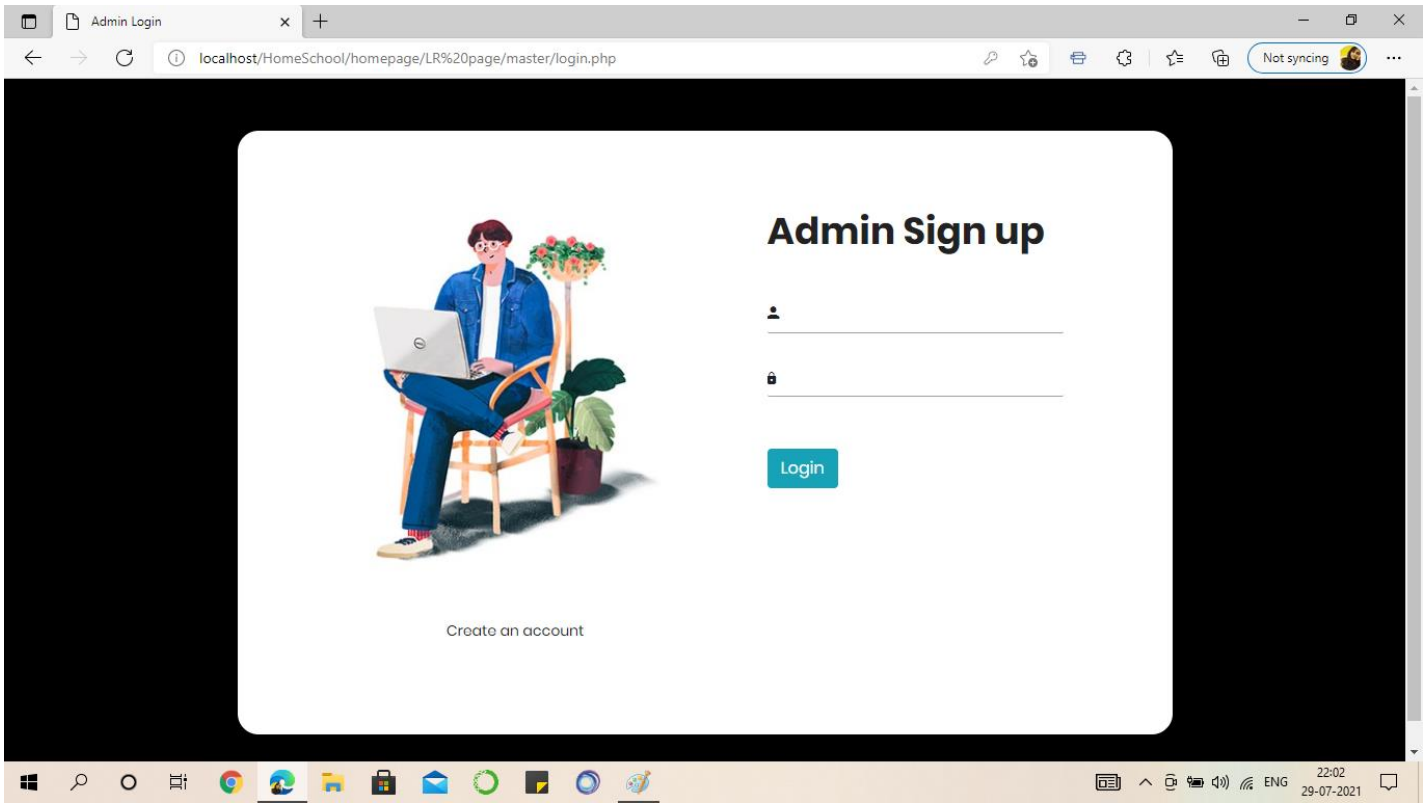


Fig. 7.5 ADMIN SIGNUP

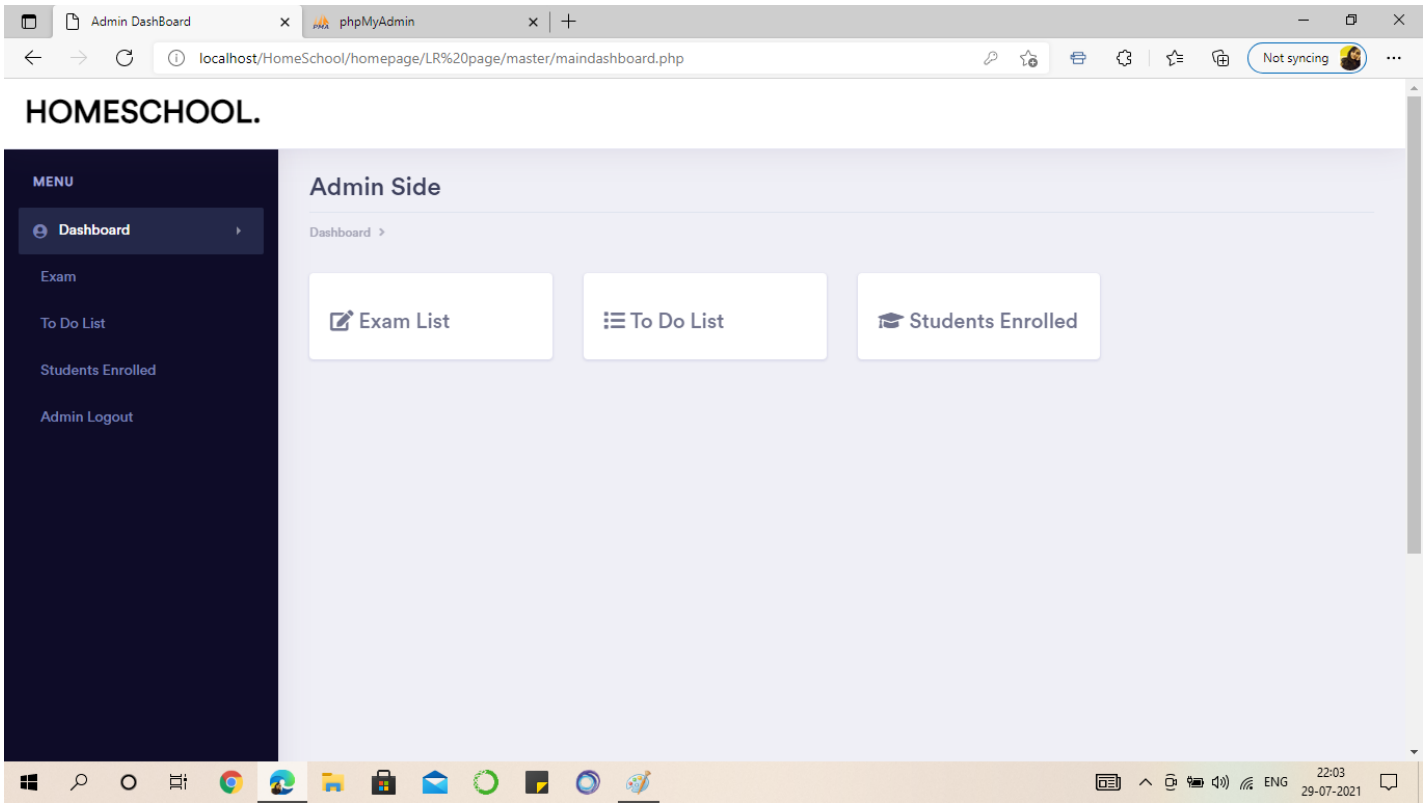


Fig. 7.6 ADMIN DASHBOARD

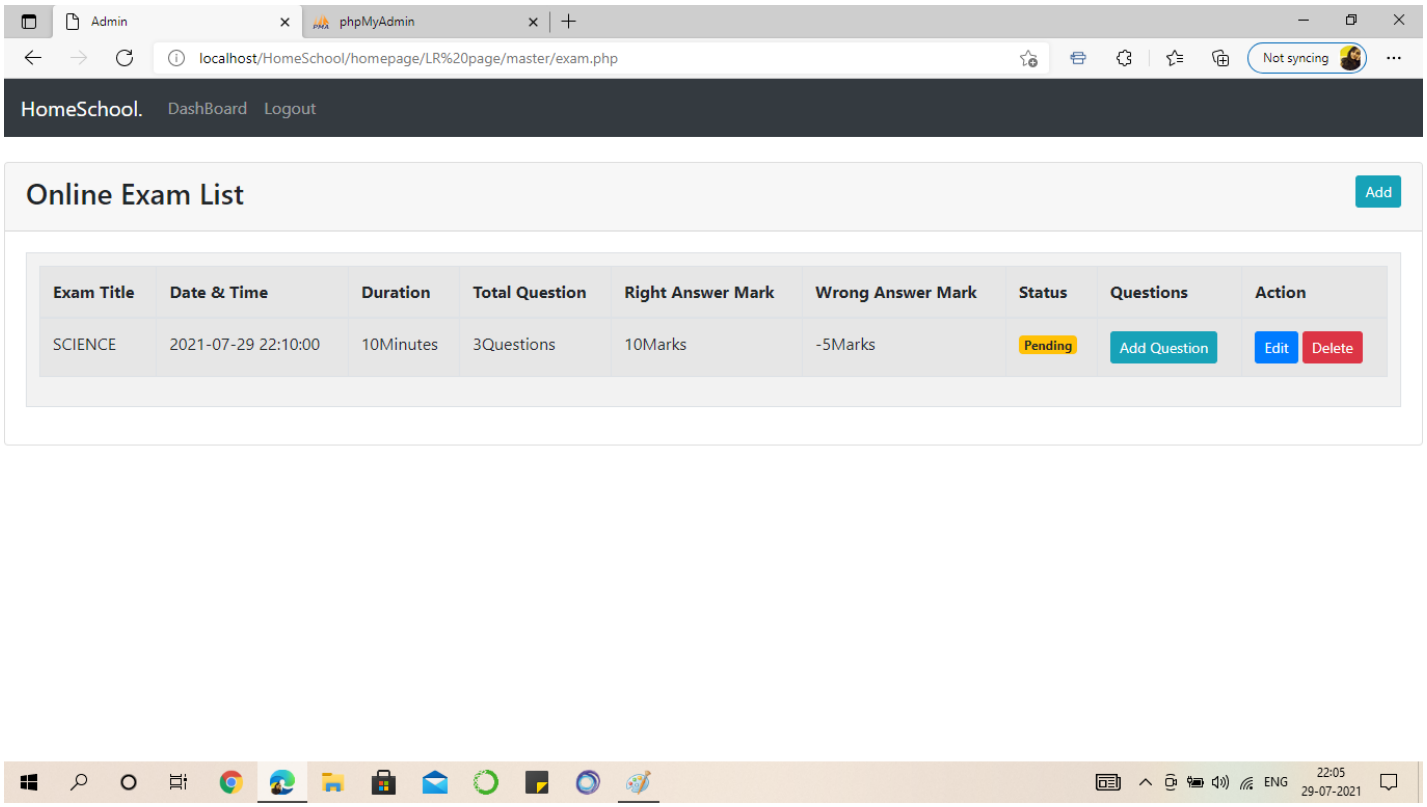


Fig. 7.7 EXAM LIST 1

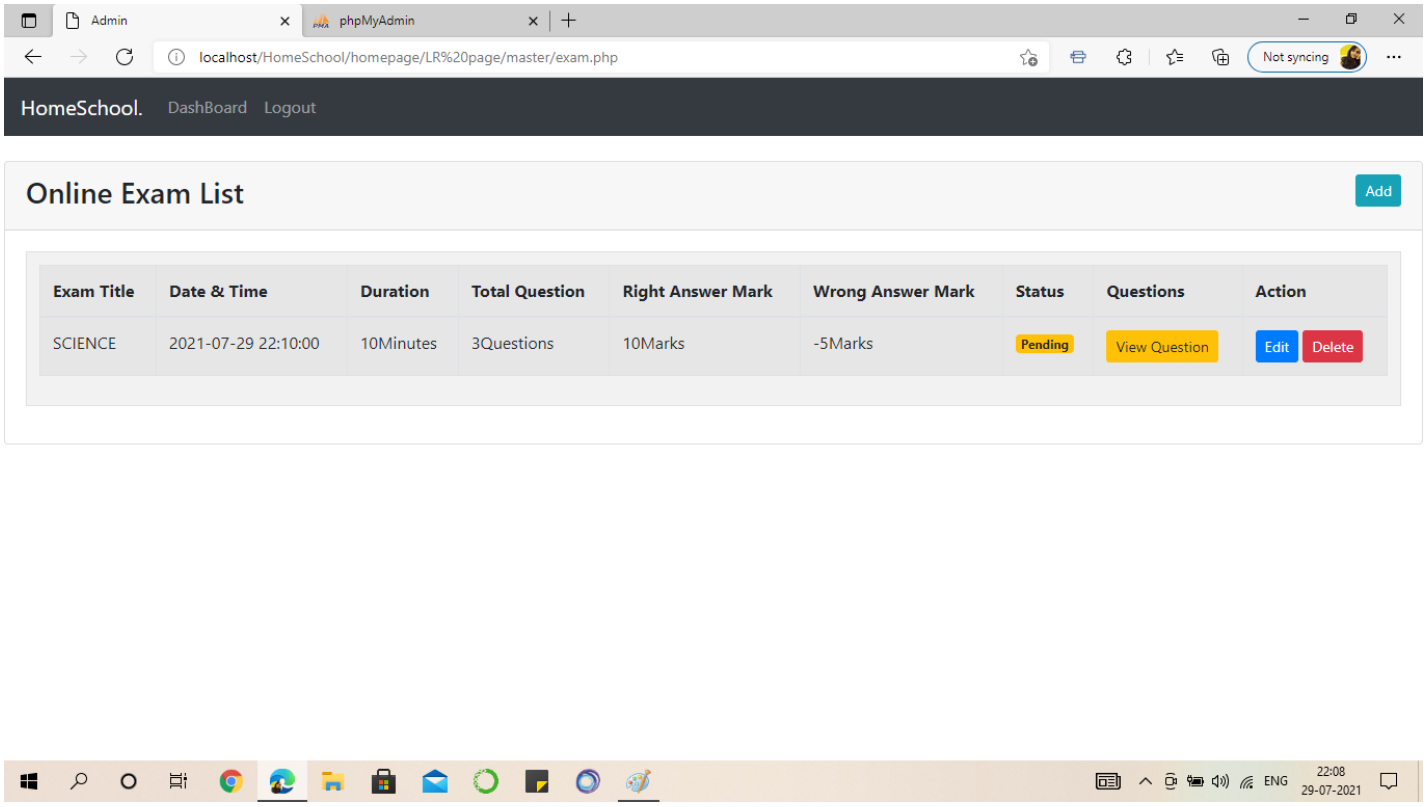


Fig. 7.8 EXAM LIST 2

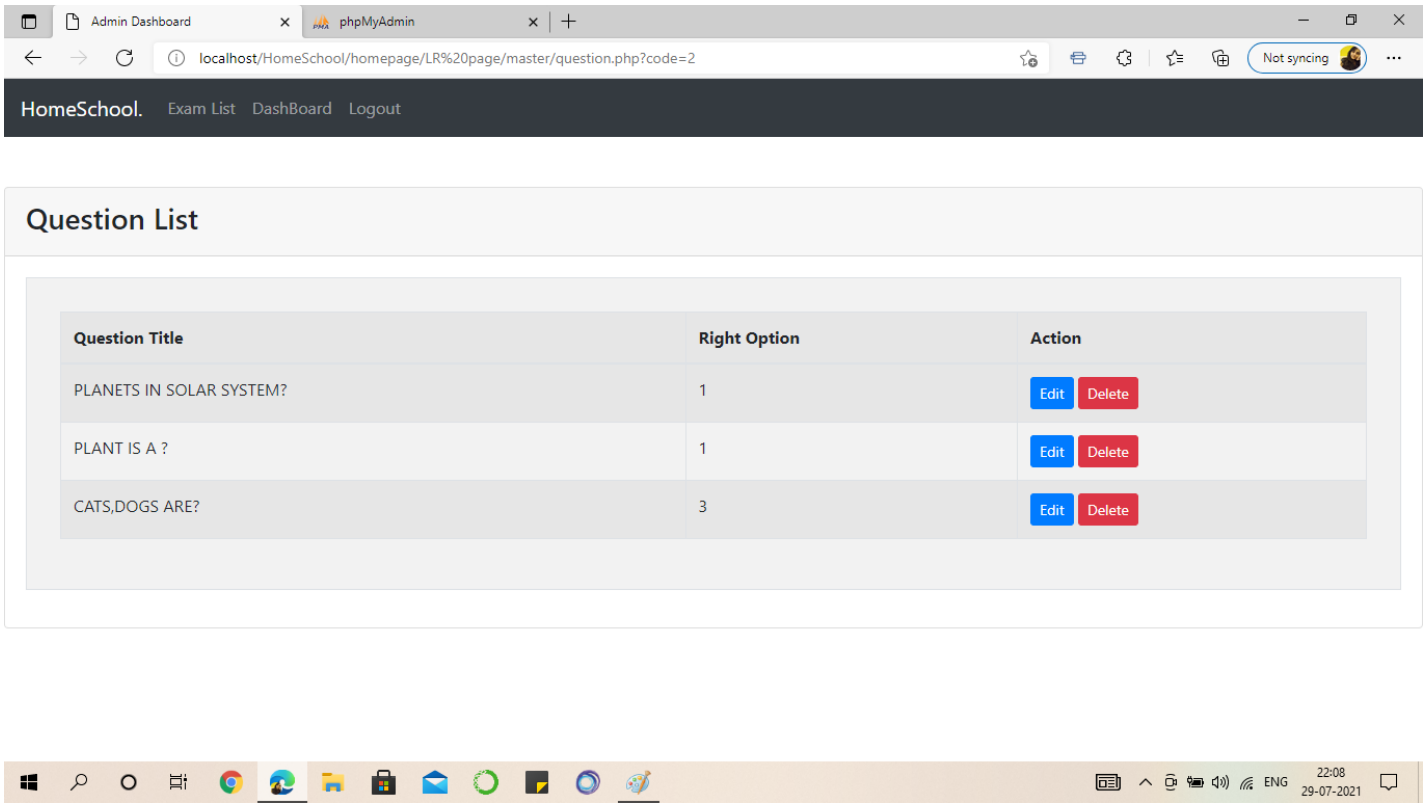


Fig. 7.9 QUESTION LIST

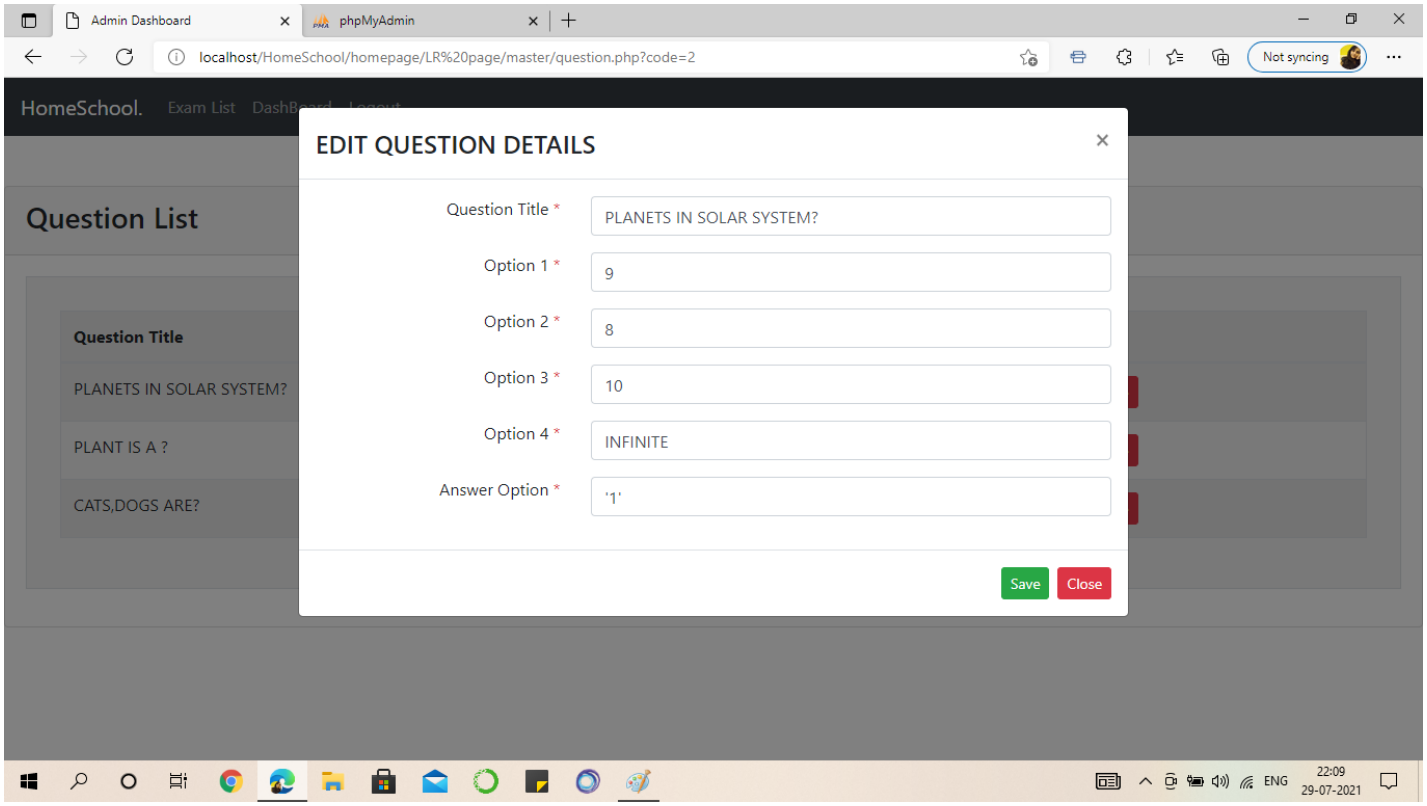


Fig. 7.10 EDIT QUESTION DETAILS

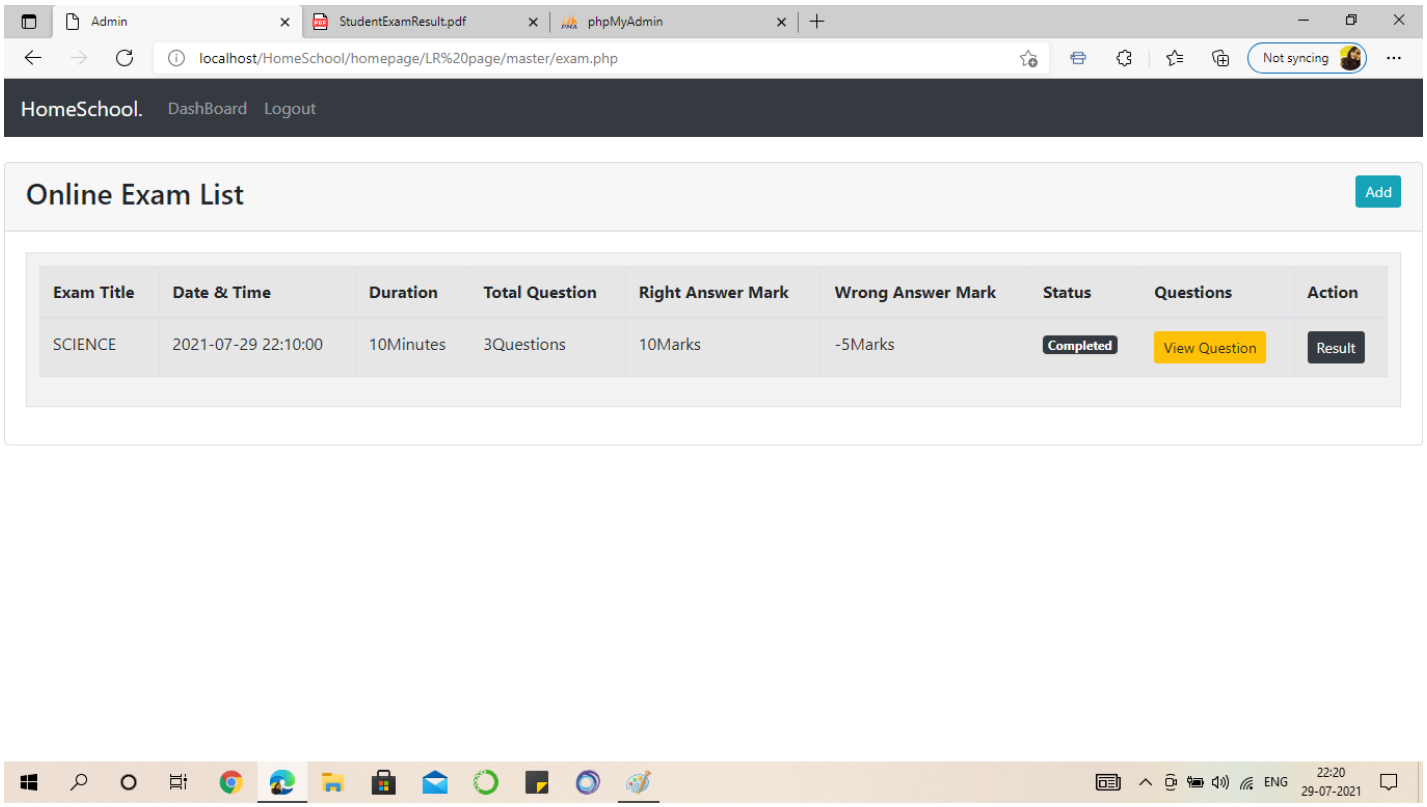


Fig. 7.11 EXAM LIST 3

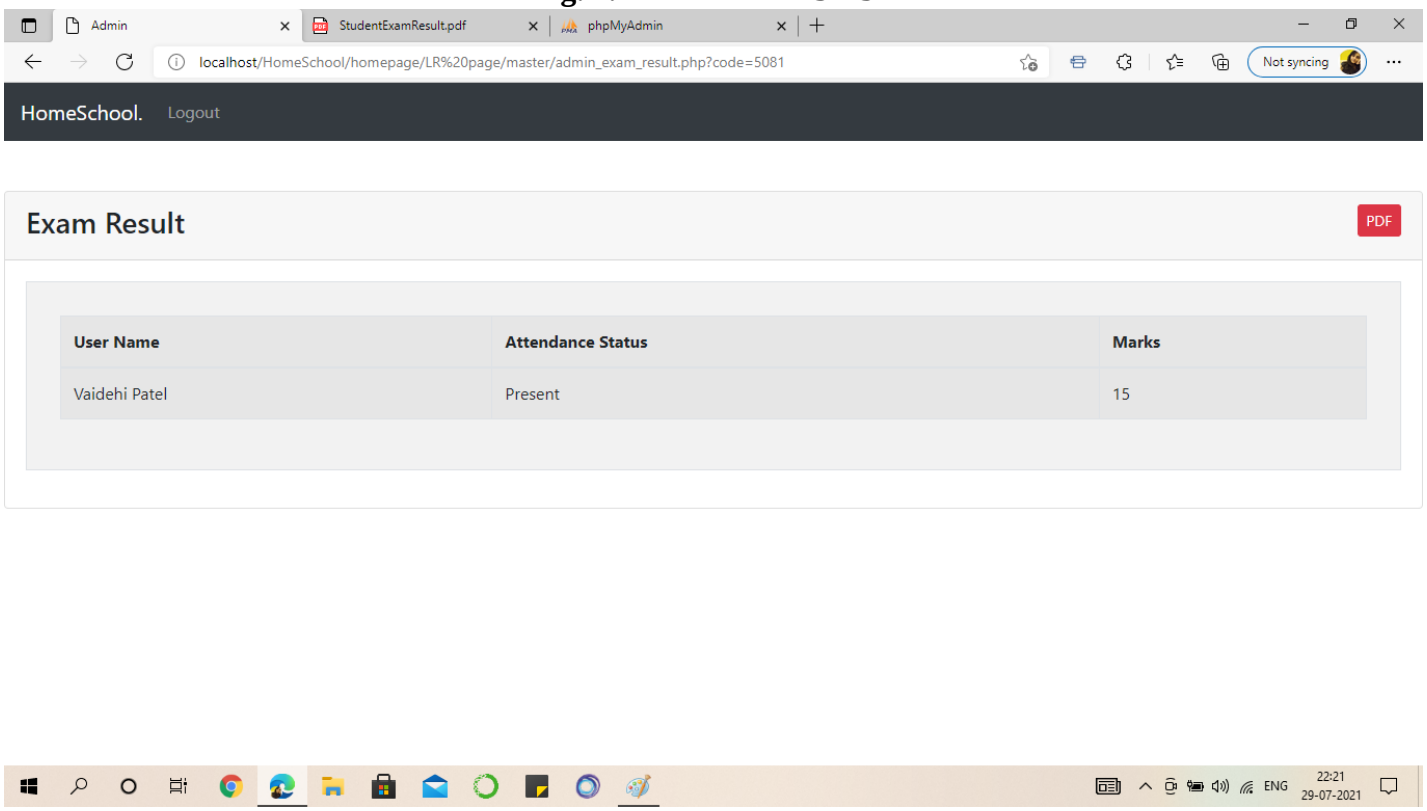


Fig. 7.12 EXAM RESULT 1

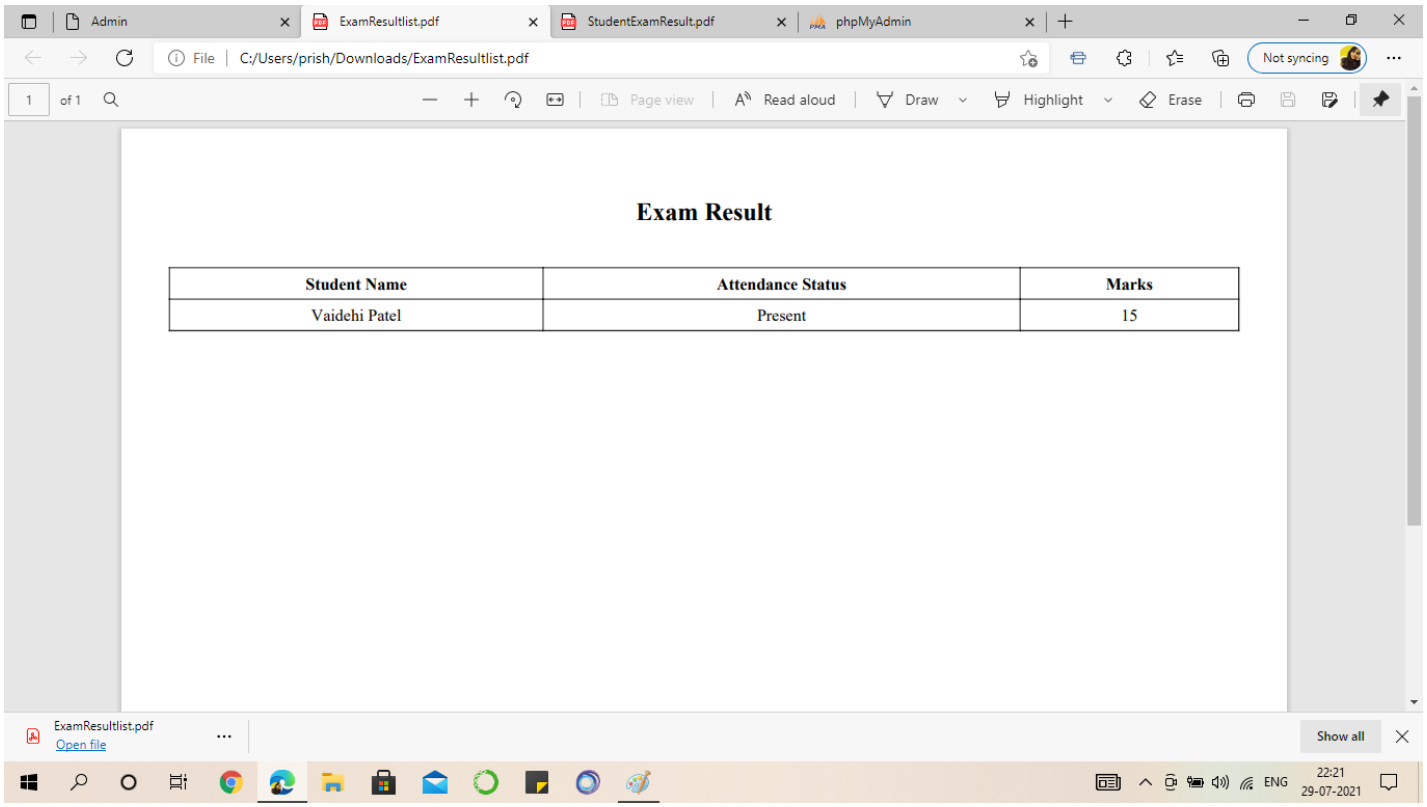


Fig. 7.13 EXAM RESULT PDF

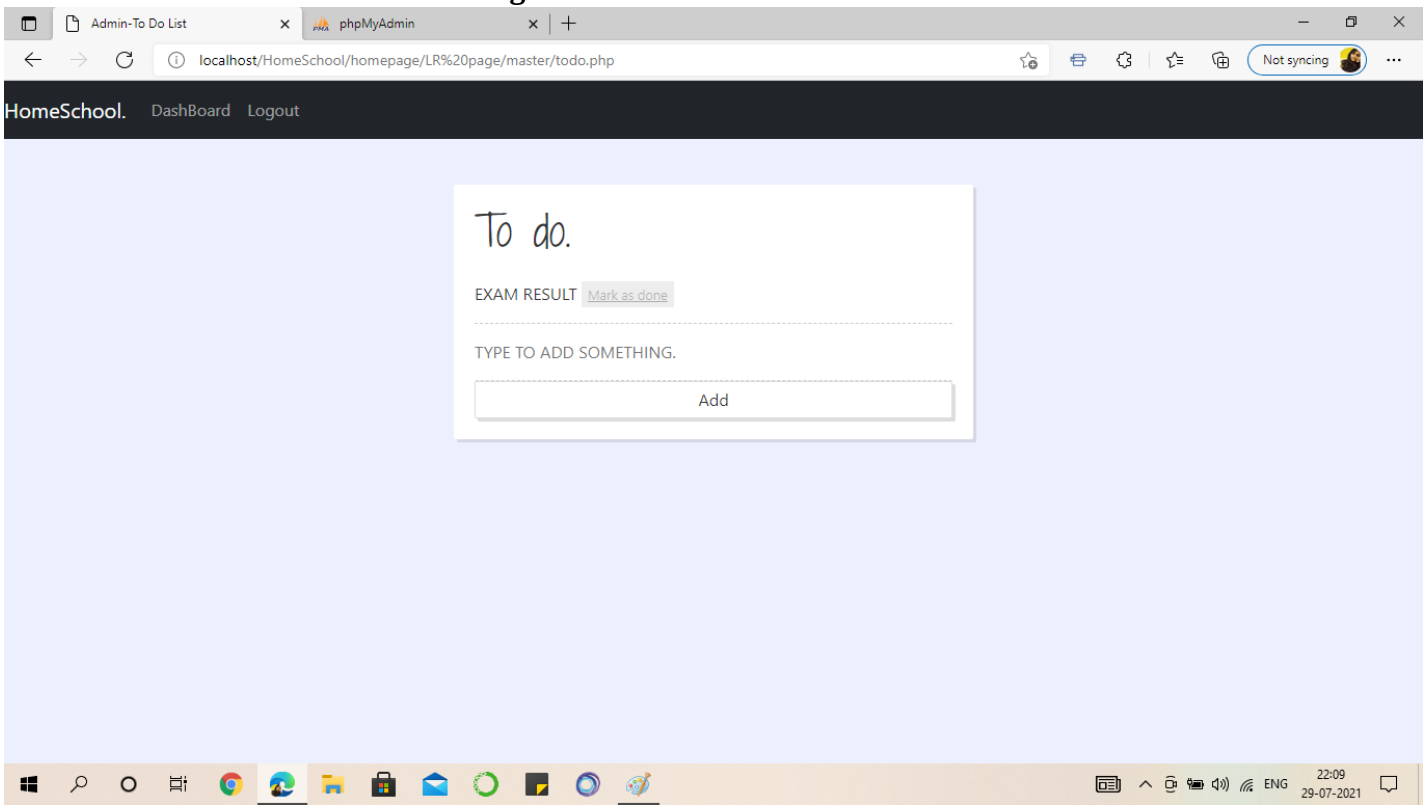


Fig. 7.14 TO DO

User Module

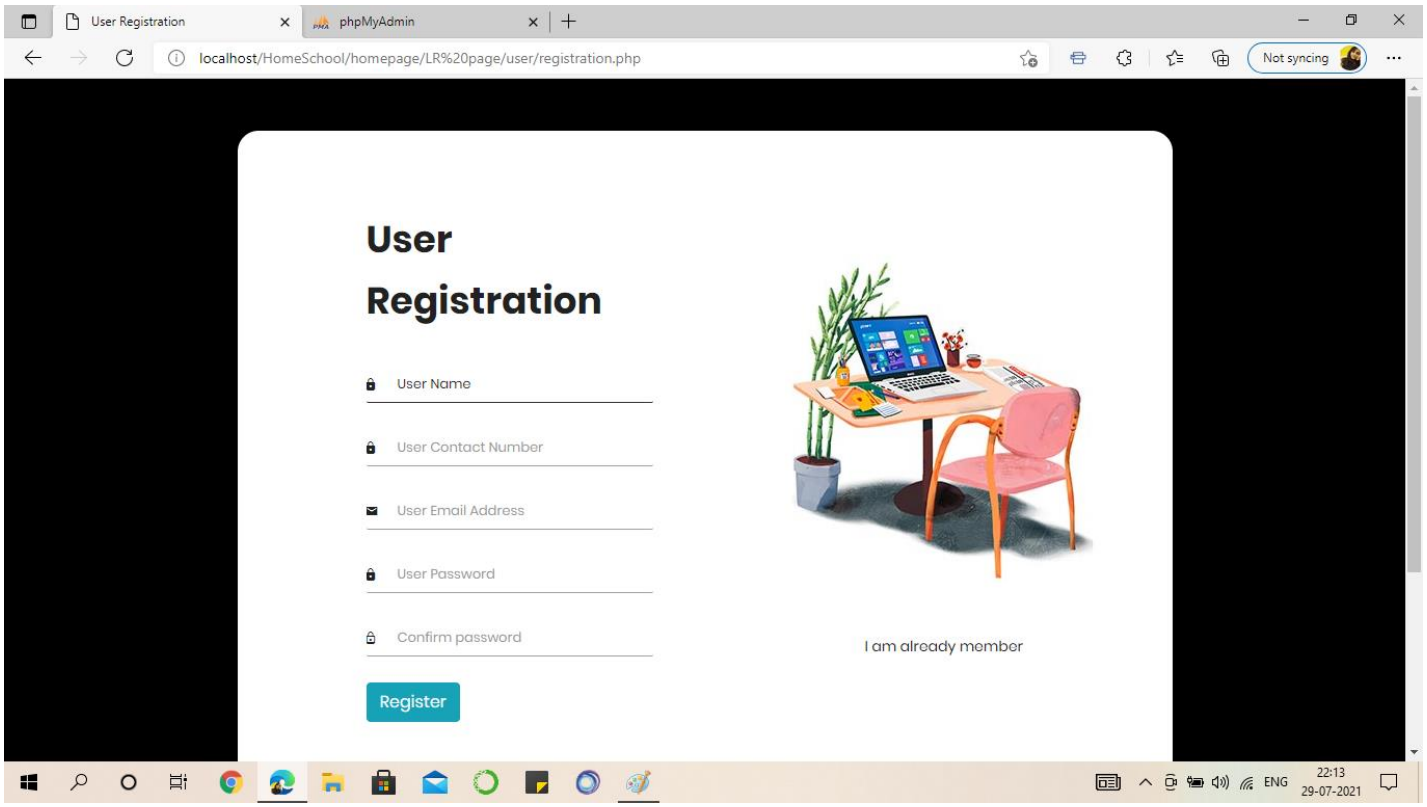


Fig. 7.15 USER REGISTRATION

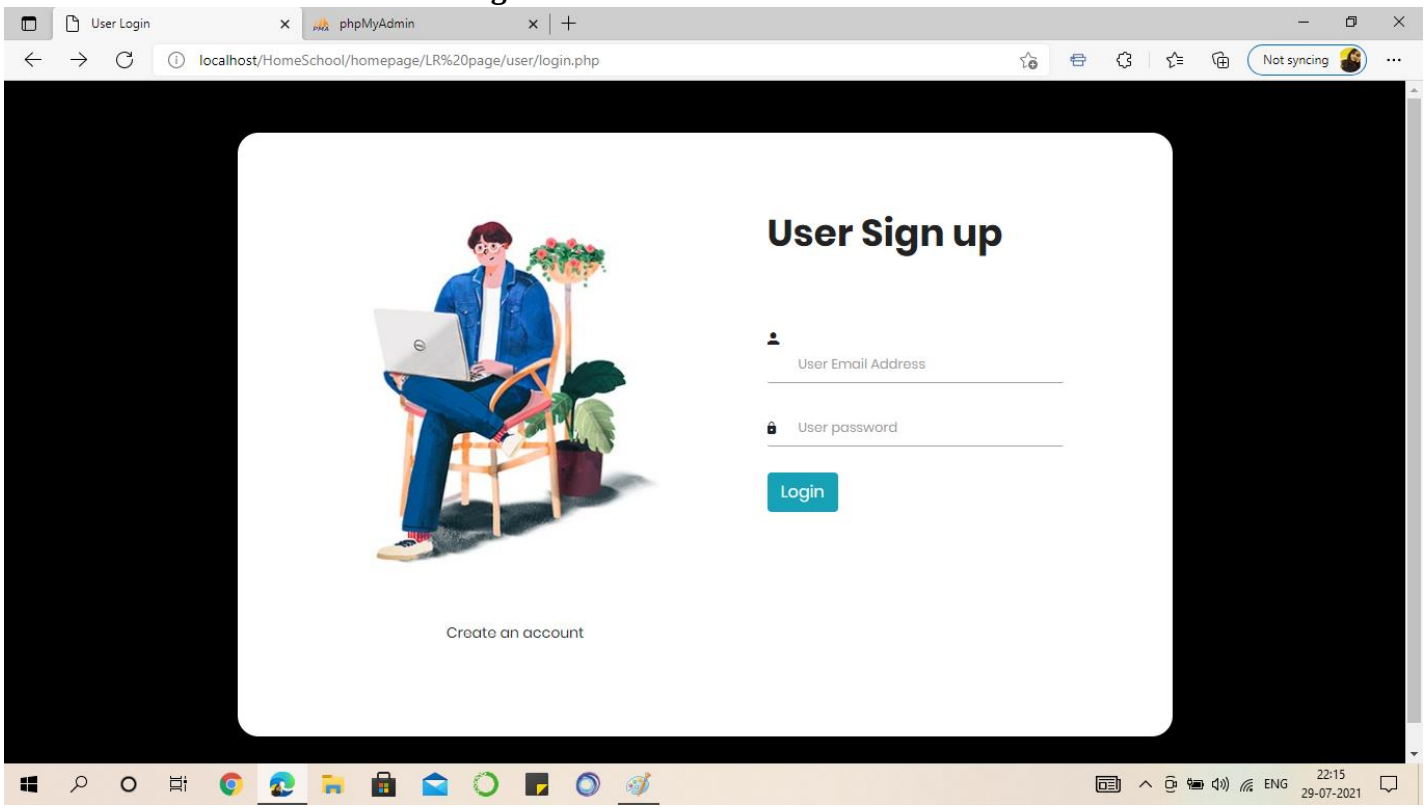


Fig. 7.16 USER SIGN UP

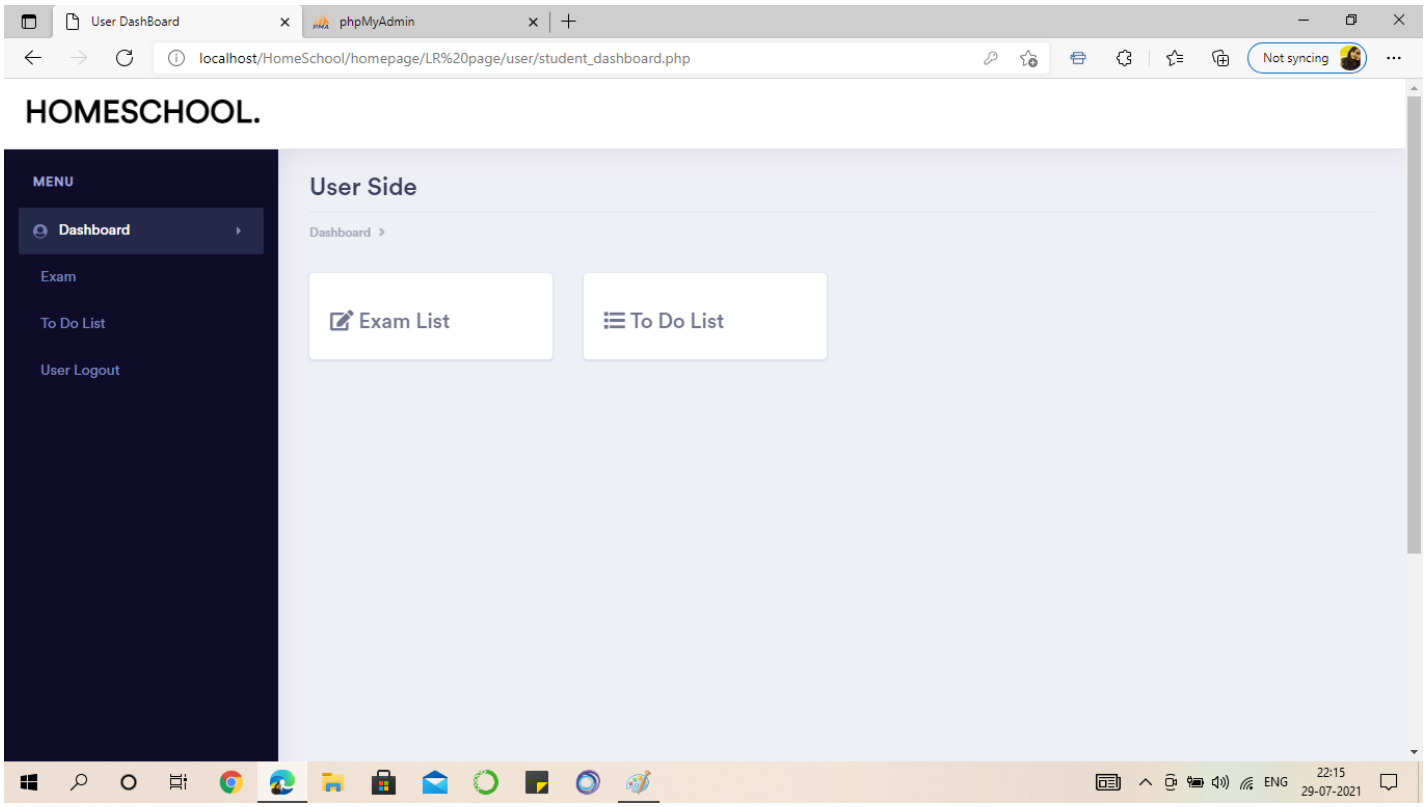


Fig. 7.17 USER DASHBOARD

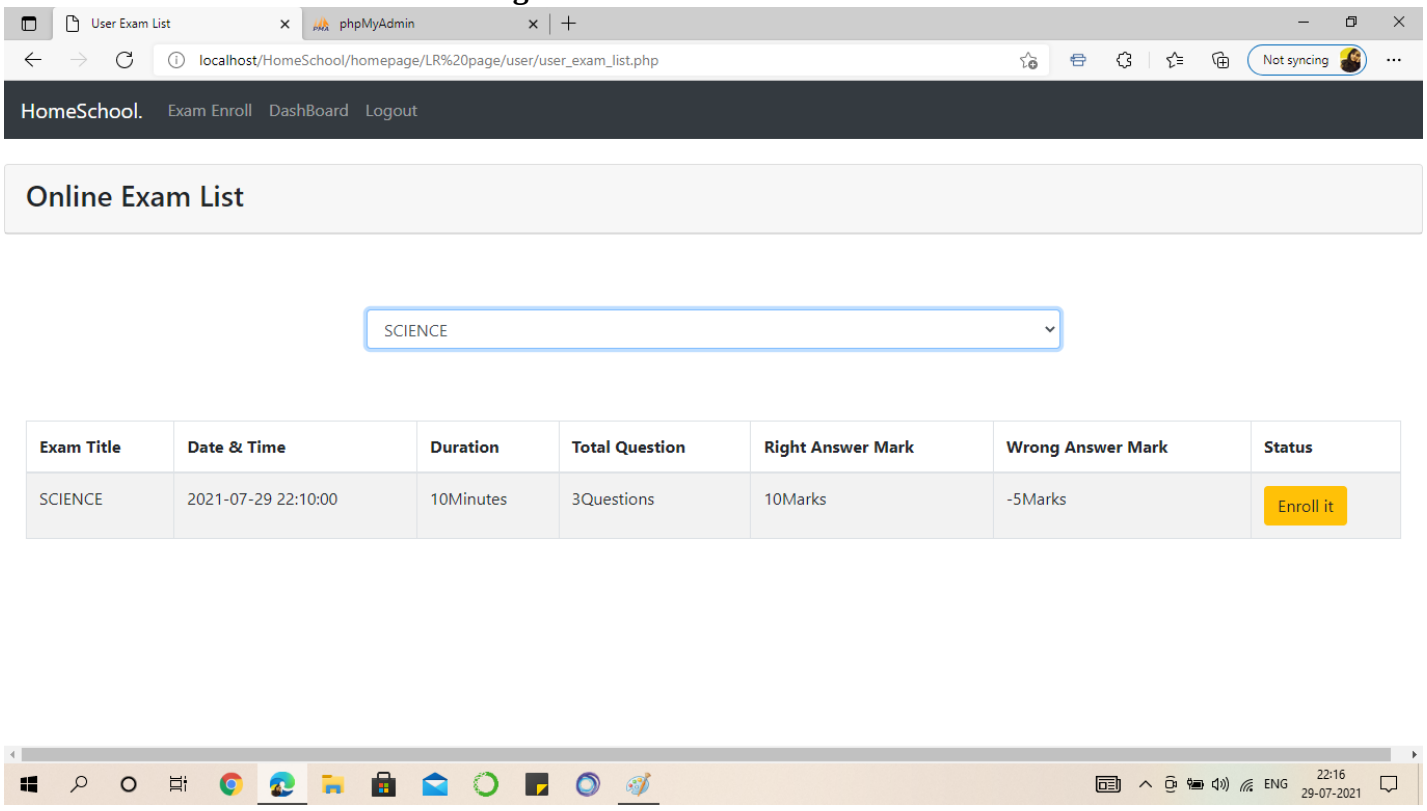


Fig. 7.18 USER EXAM ENROLL 1

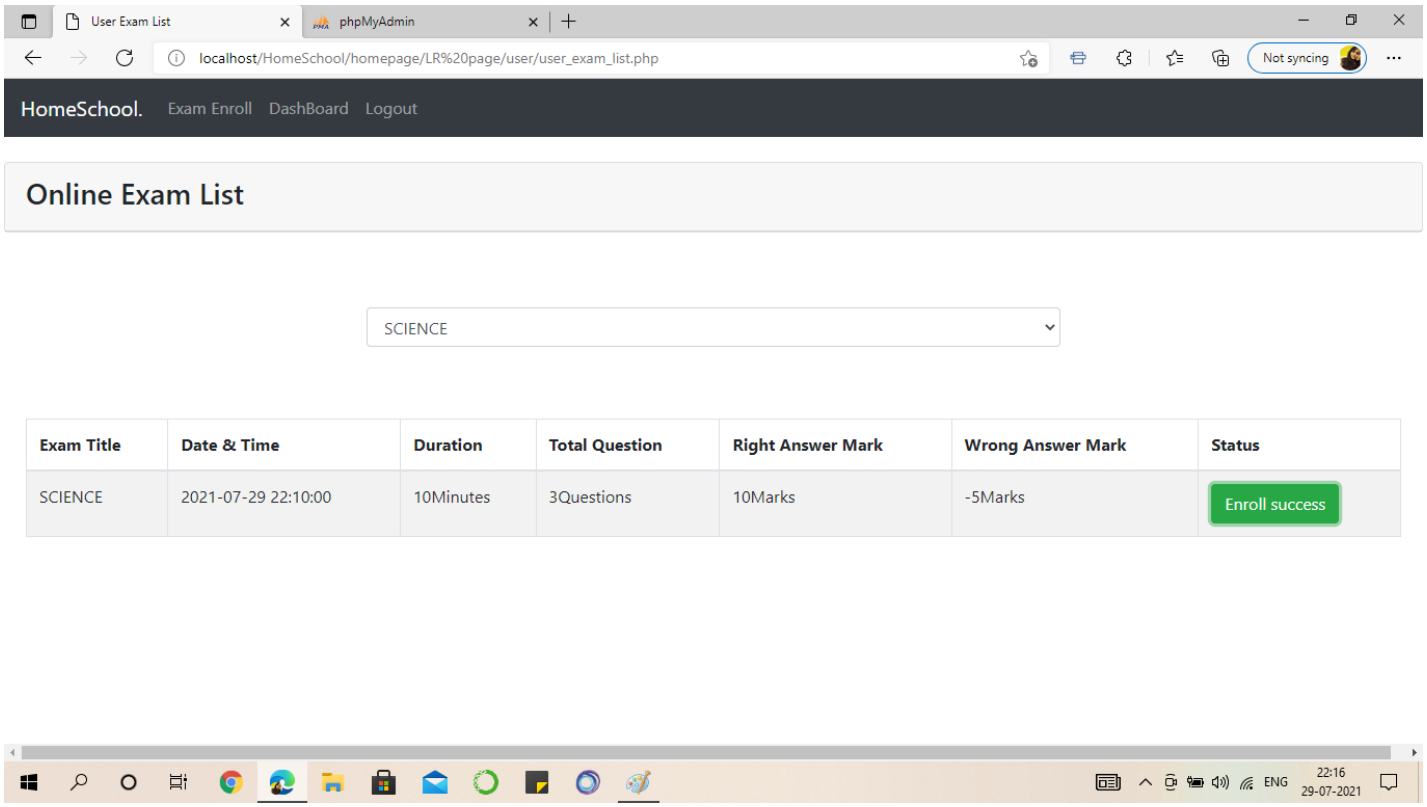


Fig. 7.19 USER EXAM ENROLL 2

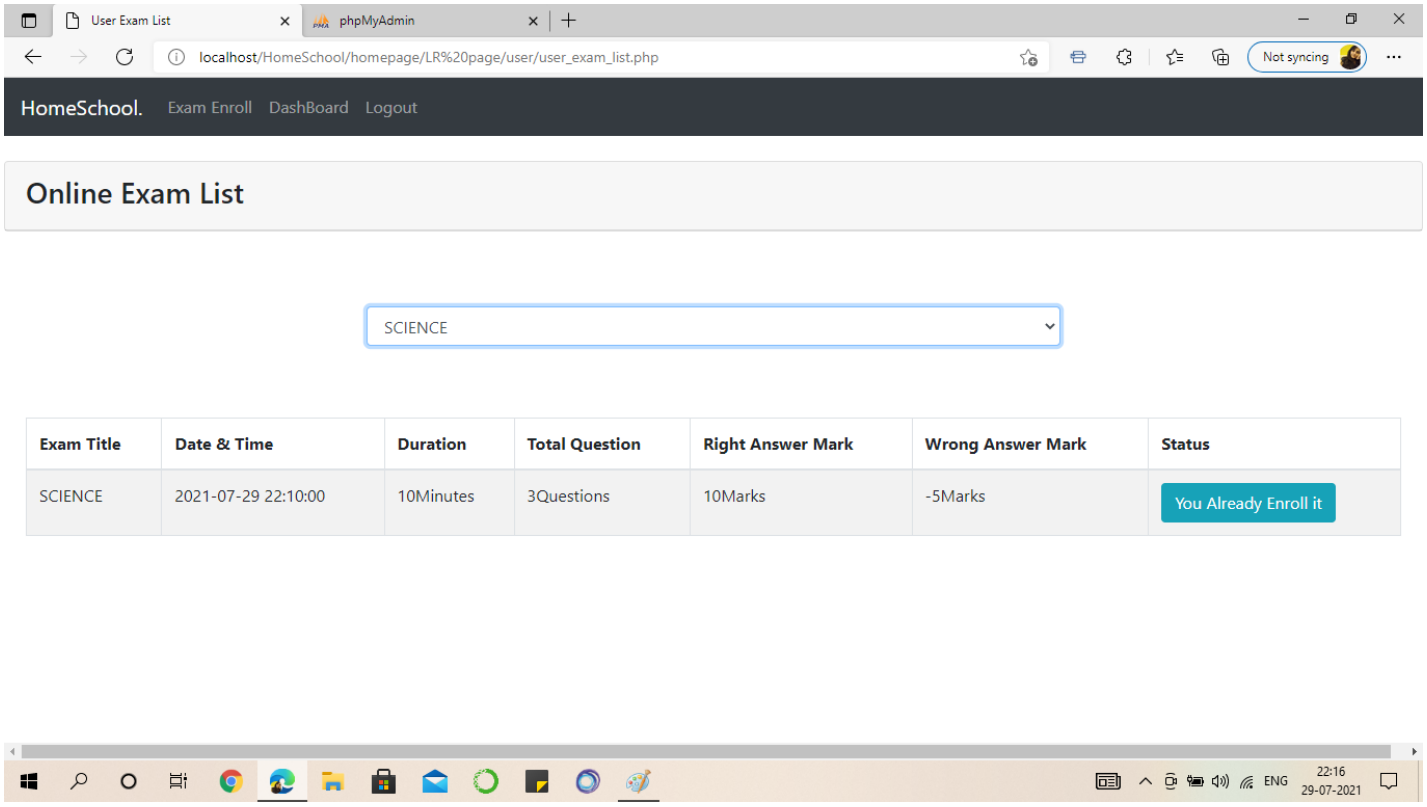


Fig. 7.20 USER EXAM ENROLL 3

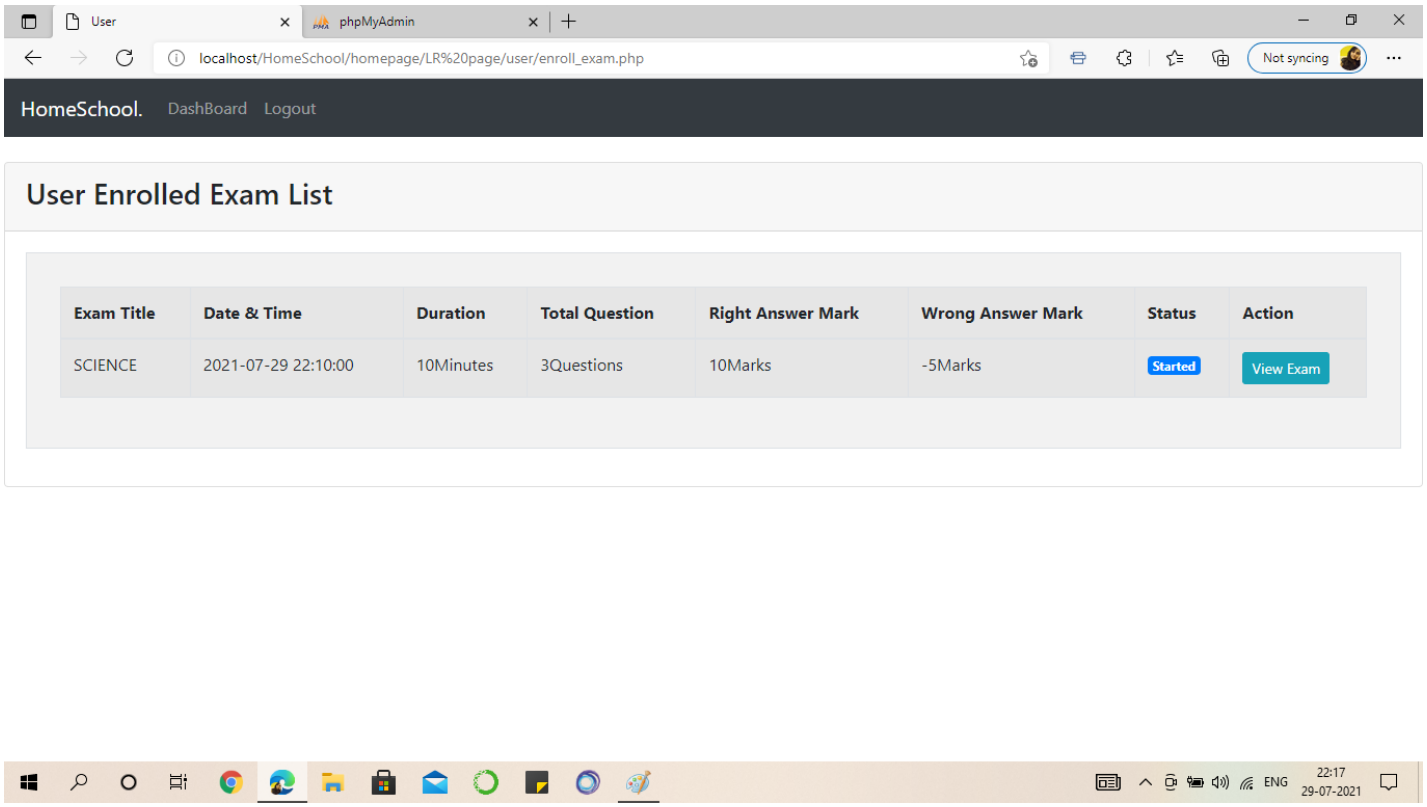


Fig. 7.21 ENROLLED EXAM LIST

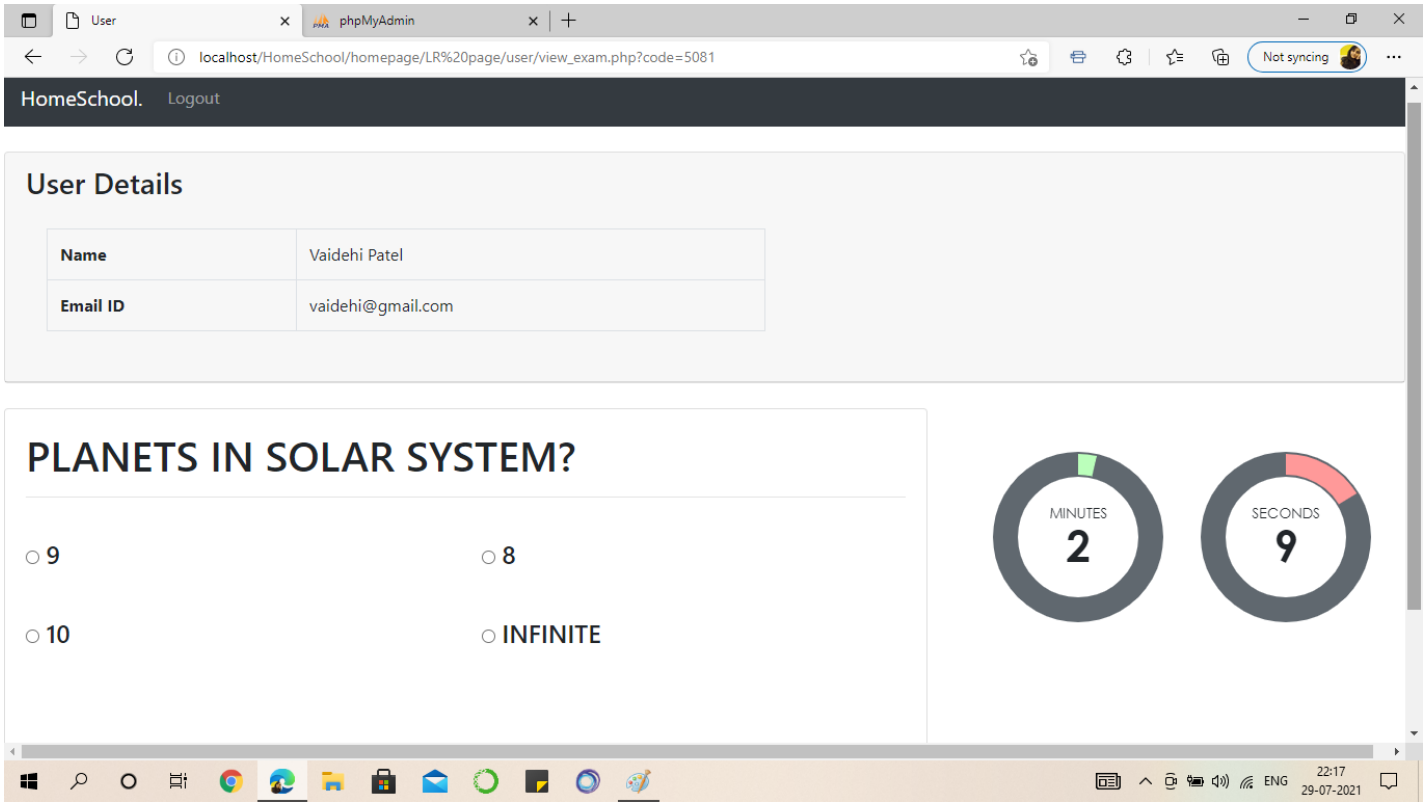


Fig. 7.23 EXAM 1

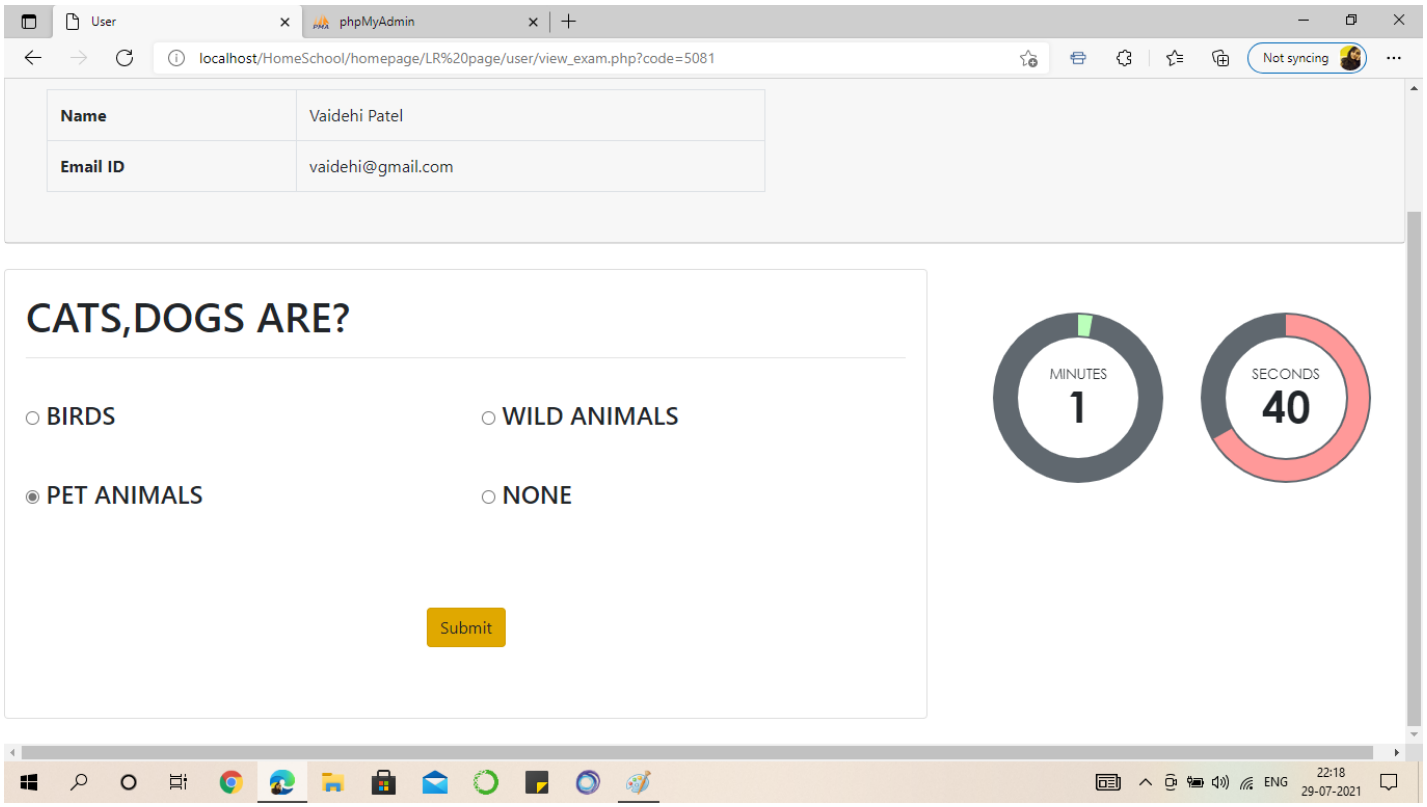
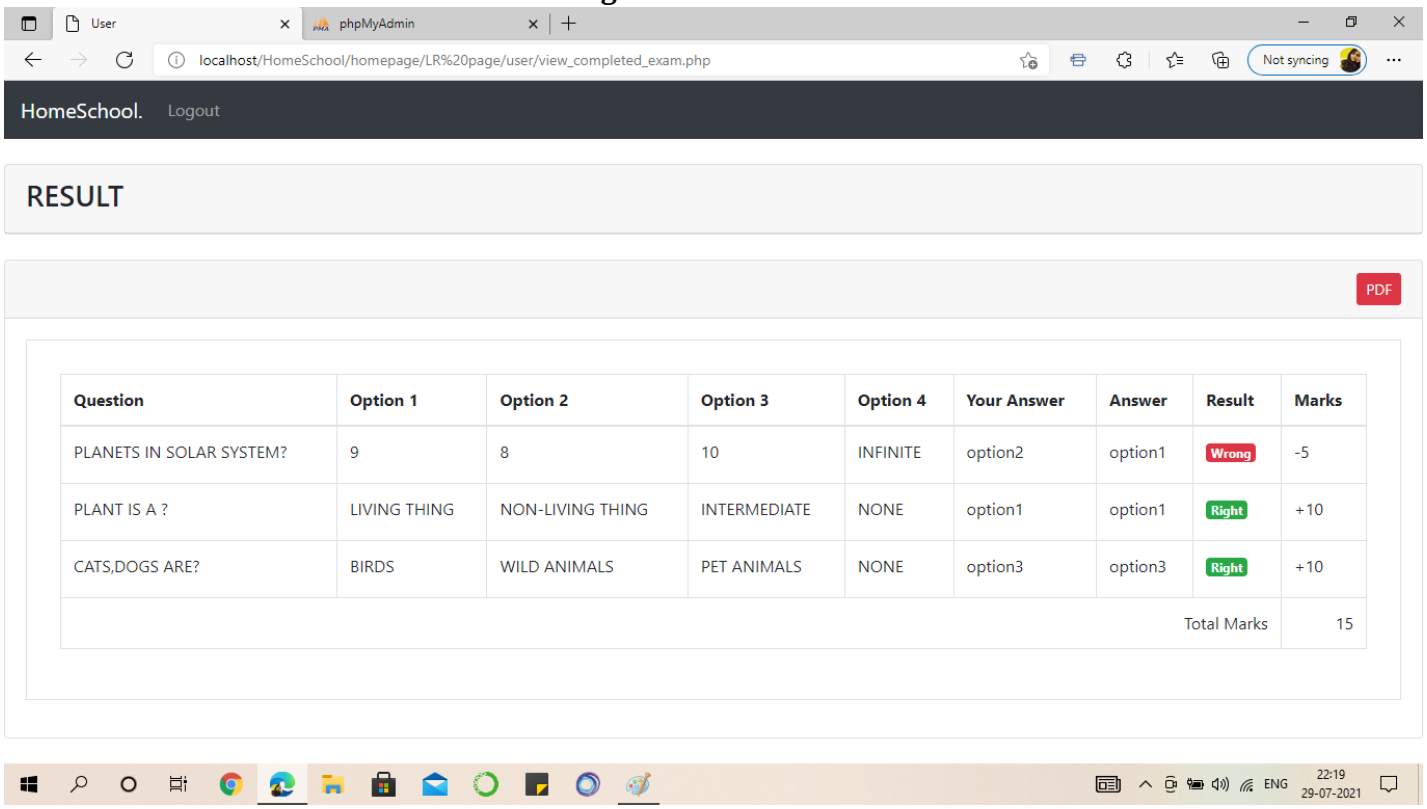


Fig. 7.24 EXAM 2



Question	Option 1	Option 2	Option 3	Option 4	Your Answer	Answer	Result	Marks
PLANETS IN SOLAR SYSTEM?	9	8	10	INFINITE	option2	option1	Wrong	-5
PLANT IS A ?	LIVING THING	NON-LIVING THING	INTERMEDIATE	NONE	option1	option1	Right	+10
CATS,DOGS ARE?	BIRDS	WILD ANIMALS	PET ANIMALS	NONE	option3	option3	Right	+10
							Total Marks	15

Fig. 7.25 RESULT

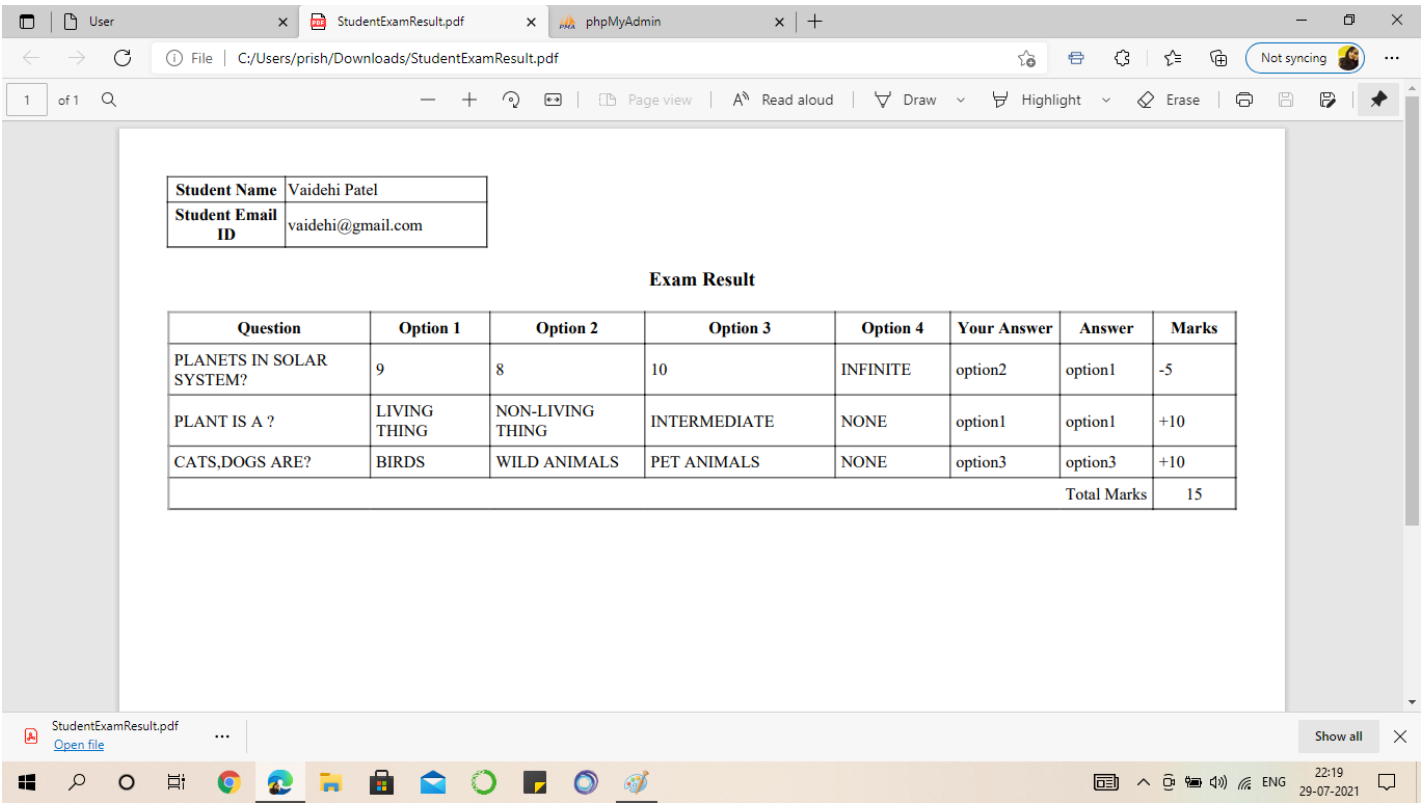


Fig. 7.26 RESULT PDF

CHAPTER 8: PROJECT LIMITATION

Limitations

- In case of poor or slow internet connection, the process of exam will take a while.
- This system has been designed to meet general requirements of online exam process so it too has some limitation. These limitations can be enhanced in future updates.
- Online examination supports only multiple choice questions and no other format of questions like true false or theory type questions. So this system cannot work for theoretical type questions. This will do injustice to the users who are sometime aware of the concept but not sure about the exact answer. This feature can be added in the system with little changes.
- Online examination portal does not support for adding image with the question. So questions containing diagrams can not be saved in this system.

CHAPTER 9: PROJECT OUTCOMES

EXPECTED OUTCOMES

- Put less efforts in organizing exam and conducting one.
- Instant downloadable PDF of the exam result both on user as well as admin side.
- Instant rank wise downloaded PDF with student details and result.
- Manage the exam easily.

CHAPTER 10: FUTURE ENHANCEMENTS

Future Enhancement

- The interface can still be improved.
- The website can be made more personalized for the user.
- This system will also work for theoretical type questions. This will do justice to the users who are sometime aware of the concept but not sure about the exact answer
- Online examination portal will support adding image with the question. So questions containing diagrams can be saved in this system.
- Verification email will be sent at the time of registration.

CHAPTER 11: REFERENCES

BOOKS REFERRED:

- Computer Science by Sumita Arora
- Database System Concepts by Abraham Silberschatz, Henry F. Korth and S. Sudarshan

ONLINE SOURCES AND REFERENCES:

- https://www.javatpoint.com/ajax-tutorial
- https://github.com/dompdf/dompdf
- https://datatables.net/