

Project on Online Exam Management System

SUBMITTED BY

Shibu Chandra Barmon
ID: 182-15-11496

Ashim Mitra
ID: 182-15-11495

Brinta Kumar Roy
ID: 182-15-11778

This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

Supervised By

Mst. Eshita Khatun
Lecturer
Department of CSE
Daffodil International University

Co-Supervised By

Mr. Riazur Rahman
Sr. Lecturer
Department of CSE
Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY
DHAKA, BANGLADESH

APPROVAL

This Project titled “**Online Exam Management System**”, submitted by **Shibu Chandra Barmon** , **Ashim Mitra** and **Brinta Kumar Roy** to the Department of Computer Science and Engineering, Daffodil International University, has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 31-06-2021

BOARD OF EXAMINERS

Chairman



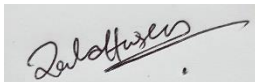
Dr. Touhid Bhuiyan

Professor and Head

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Daffodil International University



Internal Examiner

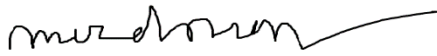
Zahid Hasan

Assistant Professor

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Daffodil International University



Internal Examiner

Md. Riazur Rahman

Assistant Professor

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Daffodil International University



External Examiner

Dr. Md Arshad Ali

Associate Professor

Department of Computer Science and Engineering

Hajee Mohammad Danesh Science and Technology
University

DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Mst. Eshita Khatun**, Lecturer, **Department of CSE** Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:



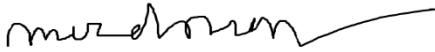
Mst. Eshita Khatun

Lecturer

Department of CSE

Daffodil International University

Co-Supervised by:



Assistant Professor

Department of Computer Science and Engineering

Faculty of Science & Information Technology

Daffodil International University

Submitted by:



(Shibu Chandra Barman)

ID: 182-15-496

Department of CSE

Daffodil International University



(Ashim Mitra)

ID: 182-15-11495

Department of CSE

Daffodil International University



Brinta Kumar Roy

ID: 182-15-11778

Department of CSE

Daffodil International University

ACKNOWLEDGEMENT

First we express our heartiest thanks and gratefulness to almighty God for His divine blessing makes us possible to complete the final year project/internship successfully.

We really grateful and wish our profound our indebtedness to **Mst. Eshita Khatun, Lecturer**, Department of CSE Daffodil International University, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of “**Online Exam Management System**” to carry out this project. His endless patience ,scholarly guidance ,continual encouragement , constant and energetic supervision, constructive criticism , valuable advice ,reading many inferior draft and correcting them at all stage have made it possible to complete this project.

We would like to express our heartiest gratitude to Professor Dr. Touhid Bhuiyan and Head, Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University.

We would like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work.

Finally, we must acknowledge with due respect the constant support and patients of our parents.

ABSTRACT

Our project title is “Online Exam Management System. This is the platform where student can browse here for learn and attend online quiz or examination. In this System any student of our country can learn by watching our video classes. They can develop them. We can find out the latent talents by this platform. Student also increase the mental ability, IQ. This platform is to enable to a student to verify his own merits from others students. They can compete with every school students in our country by this platform. Students can be improve their self-confidence. For developing our System here we used – Python programming language, django framework . Html5, CSS , jQuery, javascript, Bootstrap , PostgreSQL, PgAdmin etc.

TABLE OF CONTENTS

CONTENTS	PAGE
Board of examiners	i
Declaration	ii
Acknowledgements	iii
Abstract	iv
CHAPTER	
CHAPTER 1: Introduction	1-5
1.1 Introduction 1	1
1.2 Motivation	2
1.3 Objectives	2
1.4 Scope	3
1.5 Features	3
1.6 Expected Outcome	3
1.7 Requirements	4
1.8 Report layout	5
CHAPTER 2: Background	6-8
2.1 Introduction 1	6
2.2 Related sites	6
2.3 Comparison	7
2.4 Scope of problem	7
2.5 Challenges	7
2.6 Feasibility Analysis	8

CHAPTER 3: Requirements for proposed system	9-21
3.1 Analysis Requirement	9
3.1.1 Flow Chart	10
3.1.2 Flow Chart Description	11
3.2 DFD	12
3.3 E-R Diagram	13
3.4 Use Case Diagram	15
3.5 Use Case Diagram Description	16
3.6 Sign Up Use Case	17
3.7 Log in Use Case	18
3.8 Admin Use Case	19
3.9 Exam Use Case	20
3.10 Logical Data Model	21
CHAPTER 4: Syatem Design And Implementation	22-23
4.1 Waterfall Model	22
4.2 Model description	23
4.3 Justification of Methodology	23
CHAPTER 5: Design Specification	24-35
5.1 Front –End Design	24
5.2 Back- End Design	33
5.3 Database	35
Chapter 6 : Advantages and Questions	37-38

6.1 Advantages	37
6.2 Questions	38
Chapter 7 : Conclusion and Future Scope:	39
7.1 Future Scope	39
7.2 Conclusion	39
APPENDIX	40
REFERENCES	41
PLAGIARISM REPORT	42

LIST OF FIGURES

FIGURES	PAGE NO
Figure 3.1: Flowchart	10
Figure 3.2: Data Flow Diagram	12
Figure 3.3: E-R Diagram	13
Figure 3.4: Use Case Diagram	15
Figure 3.5: Logical Data Model	21
Figure 4.1: Water Flow Model	22
Figure 5.1: Home Page	24
Figure 5.2: Registration	25
Figure 5.3: Login Page	26
Figure 5.4: Profile Page	26
Figure 5.5: Notice Page	27
Figure 5.6: Tutorials Page	27
Figure 5.7: Library Page	28
Figure 5.8: Exam Module Page	29
Figure 5.9: Exam Questions Page	30
Figure 5.10: Admin Login Page	31
Figure 5.11: Admin Dashboard Page	31
Figure 5.12: Adding Questions Page	32
Figure 5.13: Back-End Code Page	33
Figure 5.14: Database System Page	35
Figure 5.15: Database ERD	36
Figure x: PgAdmin	40

CHAPTER 1

Introduction

Introduction 1.1

The Internet has made people's lives much happier. Our current education system is not far behind. Every person in the world is enjoying the benefits of this internet. People have made life easier by using the facilities of the internet. No one is left behind from this opportunity. That's the way it works. All the work that used to be done with a lot of effort is now being done at home. We are going to communicate with all the known and unknown people starting from our studies. In the present situation of Corona, the internet has become a daily companion of people. The poorest people of our country and the education system of our country have suffered the most in this Corona situation. All educational institutions are closed for Corona. If this continues, the education system of the country will face extreme losses. So online classes, exams, presentations etc are all being taken. At first, many people objected but now everyone has adjusted the matter. They may not have realized the benefits of online classes, exams, presentations at that time. Now everyone is doing these things easily. Taking online exams is more beneficial because it does not waste anyone's time and no one has to wait in the same class. There are many students in our country who cannot find a good platform online to take quiz exams. If they could take the quiz test properly on a good platform, they might be able to study online as well as test their talents. We create this platform with all students in mind for that purpose. Here a student will be able to take exams on various subjects and check his / her aptitude which will increase his / her interest in reading. He will also be able to do different classes here and download class books. We hope that students will be able to do whatever they want on this platform and get a lot more support.

More over system is very important method in this present era. This is time the time of technology so we should proper use this and our online exam or Exam.

1.2 Motivation

In our country, a lot of students read in school and college. Everybody believes that only a class topper student is a good student but that's not true. Every student has the ability to be a good student. But we need to find out about them. Most of the school's students outside of the city face this problem. This is the biggest problem in our country.

This problem has been going on in our country for a long time. Now we have to focus on this problem. We have a solution for this problem. So, we decide to create an online platform where they can learn and test their IQ. That's why we want to make this platform.

1.3 Objectives

Our online exam platform where students can easily justify their eligibility.

Our main goal is to develop the latent talents of the students.

Another one is to increase the mental ability of the students.

The purpose of this platform is to enable to a student to verify his own merits from others students.

They can compete with every school students in our country by this platform.

Students can be improve their self-confidence.

Any students can participate there.

Students can participate there from anywhere and anytime.

We can identify rank for every student by this system.

Create a strong database and secure data.

1.4 Scope

This project scope is very large and broad rather than manually exam.

- A student can be used anywhere this online platform.
- Location doesn't matter.
- Easy access
- Restrictive rules for exam
- They can be participate with many student all over the world.

1.5 Features

Online Classes

Online important books bank

Online Exam

Student Ranking

Student Profile

Study help contact

1.6 Expected Outcome

1. Being able to select good students in order of merit list.
2. The efforts of a student to verify his own merit can have a profound effect on his life.
3. Hope that the students will be very interested in verifying their merits.

4. Students' talents will develop.
5. They will be competitive.
6. A proper examination platform.
7. Connection with students by this platform.
8. An improved query bank.
9. Big databases of scholarly information.
10. Easy to use and fast service.

1.7 Requirements

a)

Laptop or desktop

Hardware Requirements

b)

Front-end –

Html

CSS

Bootstrap

JavaScript

jQuery

Software Requirements

Back-end -

Language (Python)

Django-Framework

PostgreSQL

PgAdmin etc.

1.8 Report Layout

Chapter 1: Introduction

Chapter 2: Background

Chapter 3: Requirement Specification

Chapter 4: Methodology

Chapter 4: Design

Chapter 5: Advantages and Questions

Chapter 6: Conclusion and future scope

Chapter 2

Background

2.1 Introduction

Our web application is managed via the Internet. In a poor country like Bangladesh, many students do not get the opportunity to study.

Their family situation is much worse. It is almost impossible for them to do various educational courses where they do not have the opportunity to study. But that's not to say that those who want to study don't stop, they're just trying to establish themselves by studying well. In order to establish yourself, you need to have a lot more basic knowledge besides education which can be acquired from various online sites. There is no need to be admitted to those sites later.

Only by registering can a student participate in all the activities there. Our platform is just like that, here a student can only register and take exams through the internet. In a word, free education.

2.2 Related Sites

- Ten minutes school

- Ten minutes school is a biggest online school platform. There is a lot of resource and their website has many student (class 1 to post graduation students) for that reason that is not a simple site.

2.3 Comparison

We see there are some relative website or portal is now available in web. Most of the website are very demand full. However our project is very simple but there are some unique works. In this project we find out the talent student by solving various problem, check their IQ.

There will be rank for every school, college by their student results.

2.4 Scope of the problem

- There is a possibility of data theft while taking the test online.
- The chances of giving a fake may be higher.
- There is a tendency to see or test with the help of someone.
- Giving exams online reduces the tendency of many students to read books.
- Students often do not value online exams as much as they do direct exams.

2.5 Challenges

Anything what we want to do there must be some problem to achieve the success. Our country is a developing country. So we don't hope that in the rural area of our country there will be internet service. And to attend the exam and browse must need a smart phone or laptop device. For this reasons some student can't get this project service. These are major challenges.

2.6 Feasibility Analysis

A feasibility study is an investigation that considers the entirety of a venture's significant components—including financial, specialized, operational and planning contemplations—to discover the probability of finishing the undertaking effectively.

-Technical Feasibility:

Technical analysis determine risk assessment & solution. Website security. Device responsive. We used here python programming Language. And user no need to know strong knowledge in computer. Hardware and software are available for develop this project.

-Operational Feasibility:

Operational analysis determine control, efficiency & service. And user no need to know strong knowledge in computer. This project is user friendly and simple.

-Economic Feasibility:

Economic analysis determine the cost and benefit. This project is economic feasible. Maintain expensive is very low. Our project budget is 5000 tk at least to complete.

Chapter 3

Requirements for proposed system

3.1 Analysis Requirement

In this project, who are the target user? Here our target user is generally student who read in under graduate.

Here only Admin can control everything like as, an admin add question of exam, Update quiz, Time and date. Upload notice, class videos. Student have profile where they can see their result or scores. The question pattern generally to have MCQ. And also have different section.

In this project have some limitations like as there is no analysis to previous result and subjective details.

3.1.1 Flow Chart of 'Online Exam Management System'.

A flow chart is a graphical chart where what action have done that represent.

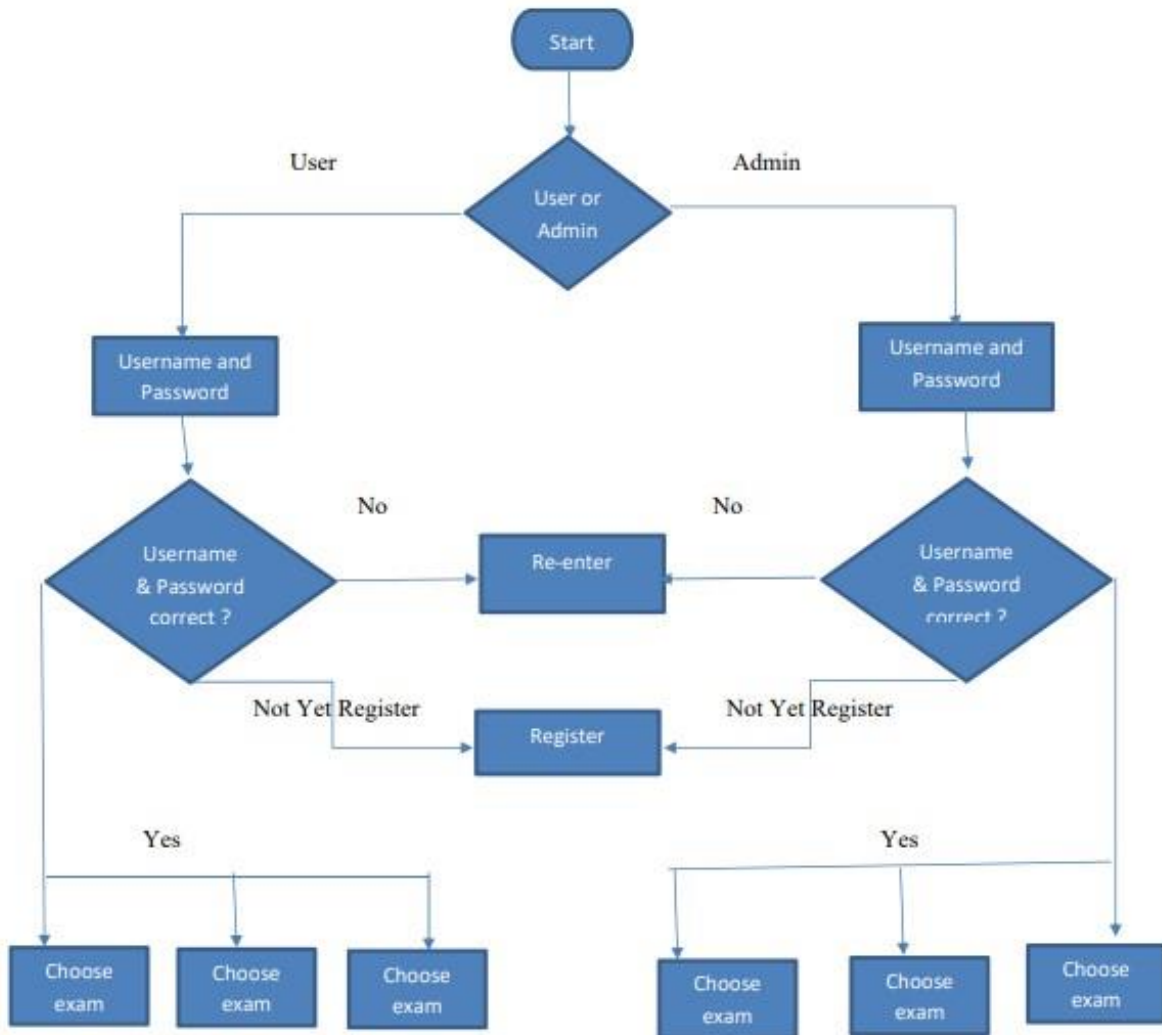


Figure 3.1: Flow-chart of Online Exam Management System

3.1.2 Flow chart Description:

User or Admin?

- 1) If User then enter username and Password.
- 2) Is Username and Password Correct? If Yes, then successful login.
- 3) Else if wrong then Re-enter username and Password.
- 4) Else if, Not yet register? Then go to register. Enter Username, Email or phone, Age, School, Password. Then login.
- 5) Then choose exam, Participate exam.
- 6) Exam finished? Logout.
- 7) If Admin go to Admin panel. Enter Username and Password.
- 8) 2) Is Username and Password Correct? If Yes, then successful login.
- 9) Else if wrong then Re-enter username and Password.
- 10) Else if, Not yet register? Then go to register. Enter Username, Email or phone. Then login.
- 10) After login Manage system, Upload Questions,
- 11) Then logout and end.

3.2 DFD – Data Flow Diagram of ‘Online Exam Management System’

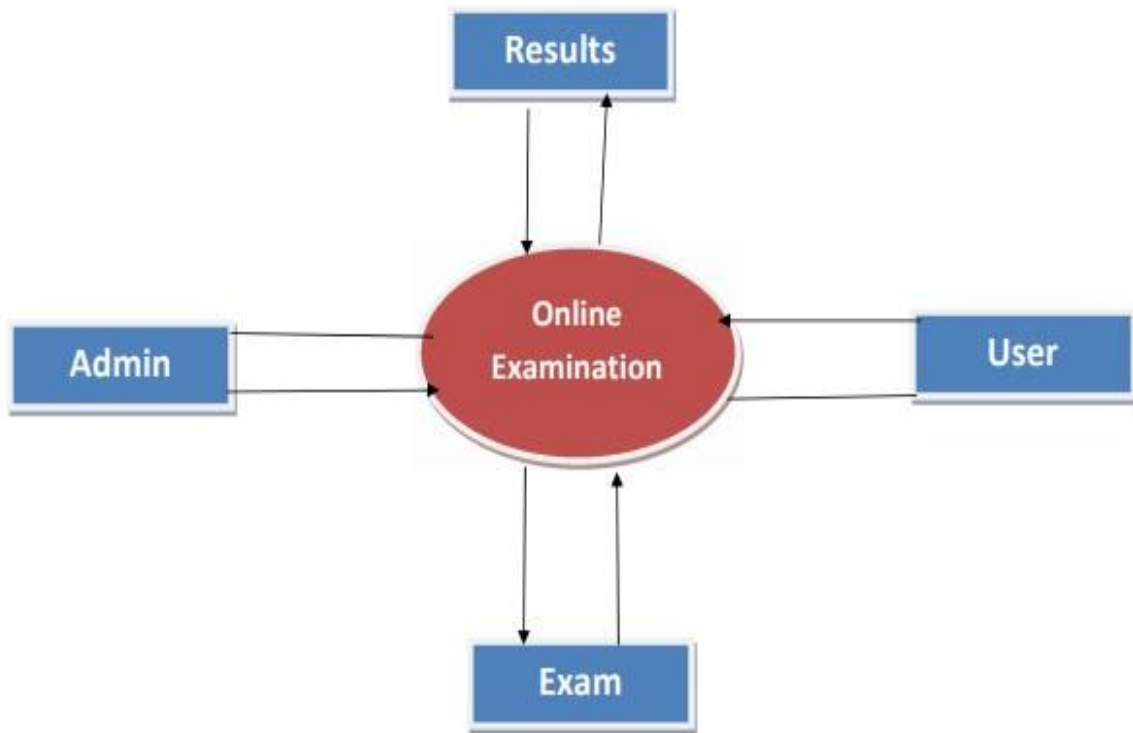


Figure 3.2: Data flow diagram of Online Exam Management System

In our system there is two part Admin part and User part. Here admin is upload a examination in this system, admin send to data in the system. And user will participate at the exam in this system. User also send data in system which is the exam answer data. Then the system automatically published result which is store in online exam database.

3.3 E-R Diagram of 'Online Exam Management System'

E-R diagram represent the relationship of various entity.

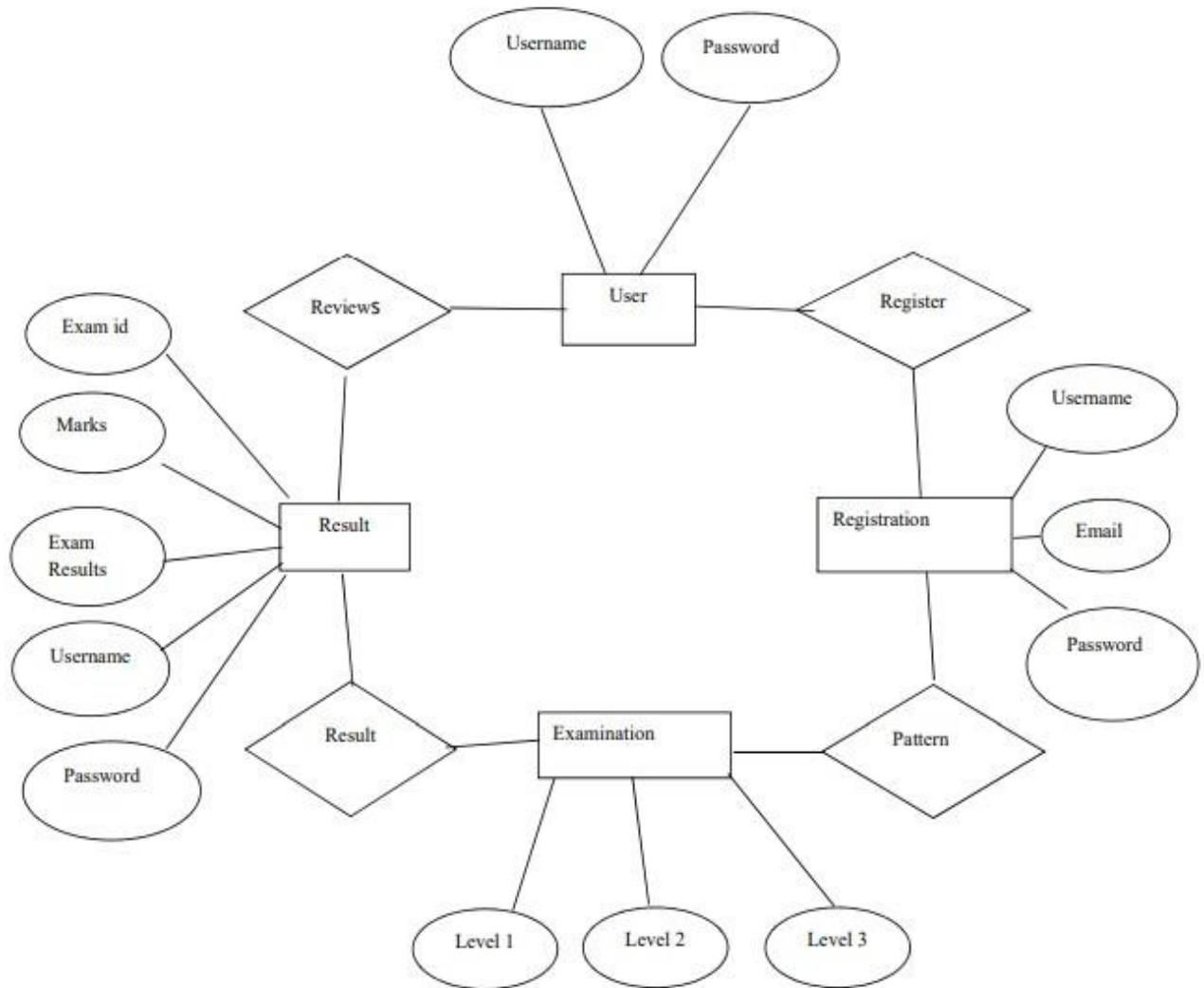


Figure 3.3: E-R diagram of Online Exam Management System

This is the E-R diagram of our online exam management system. There is 4 entity User, Registration, examination, result.

User have two attribute, username and password. User have to registration, in registration entity there are some attribute. Username, email, password.

After registration user can participate in examination. Examination have some attribute level 1, level 2, level 3. And finally user can get their result. In result entity there are some attribute, exam id, marks, username, password, and results. User entity can review it.

3.4 Use Case Diagram of 'Online Exam Management System':

Use case represent graphically the interactions with system of a user.



Figure 3.4: Use Case Diagram of Online Exam Management System

3.5 Use Case diagram Description:

There is two side in this diagram, User side and Admin site. Here user is a student, who will browse this site for giving exam and learning.

Registration: when a new user come to visit this site, they need must to registration here for is profile.

Login: After successful registration user can access anytime by login by his username and password. Admin would be also login.

Profile: When student will login then they can see their profile.

Logout: User will log out after visiting the website.

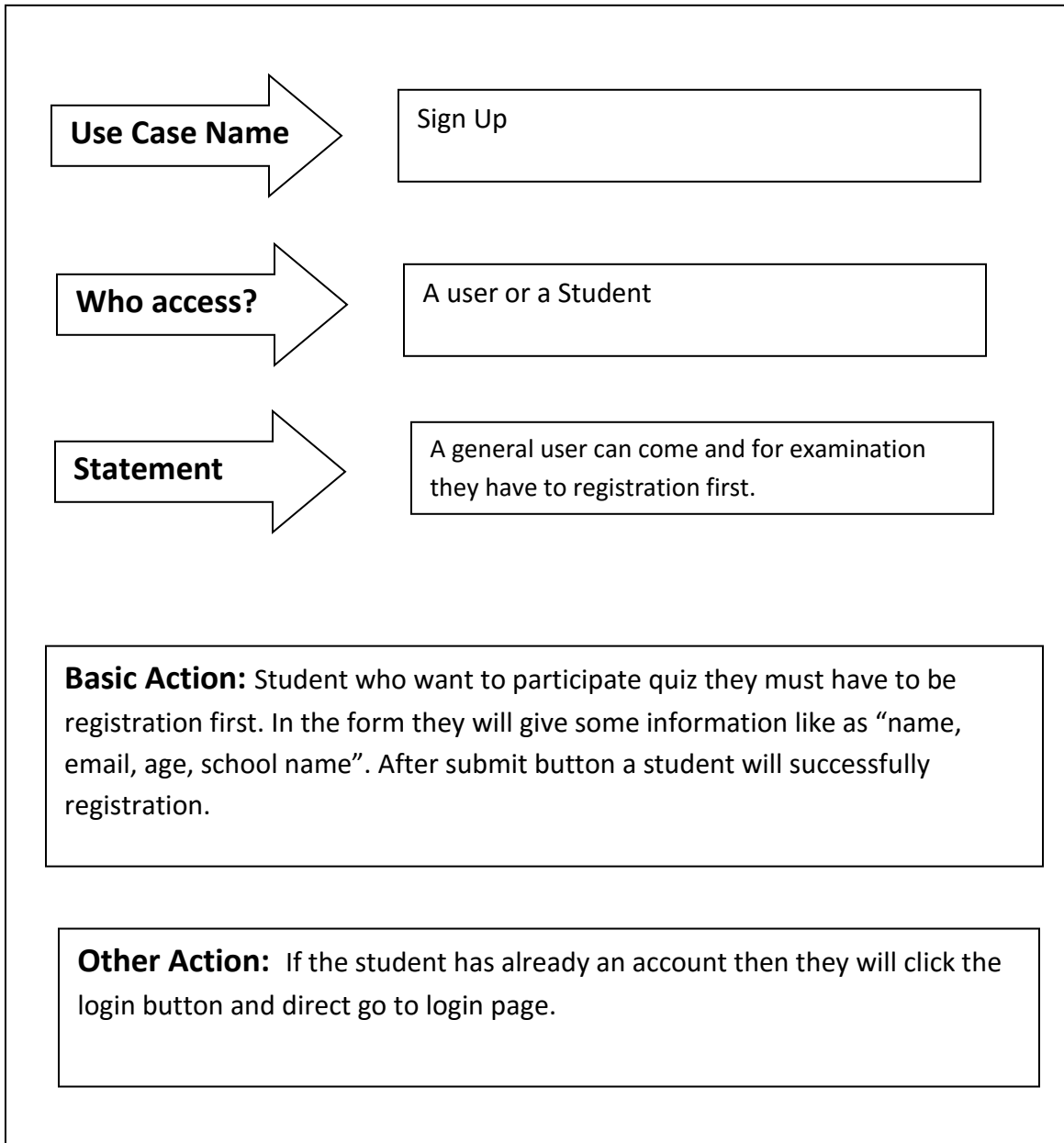
View Item: User can show the facilities they will read books, watch class.

Exam: Student can attend in various exam or quiz which are controlled by a teacher is an admin.

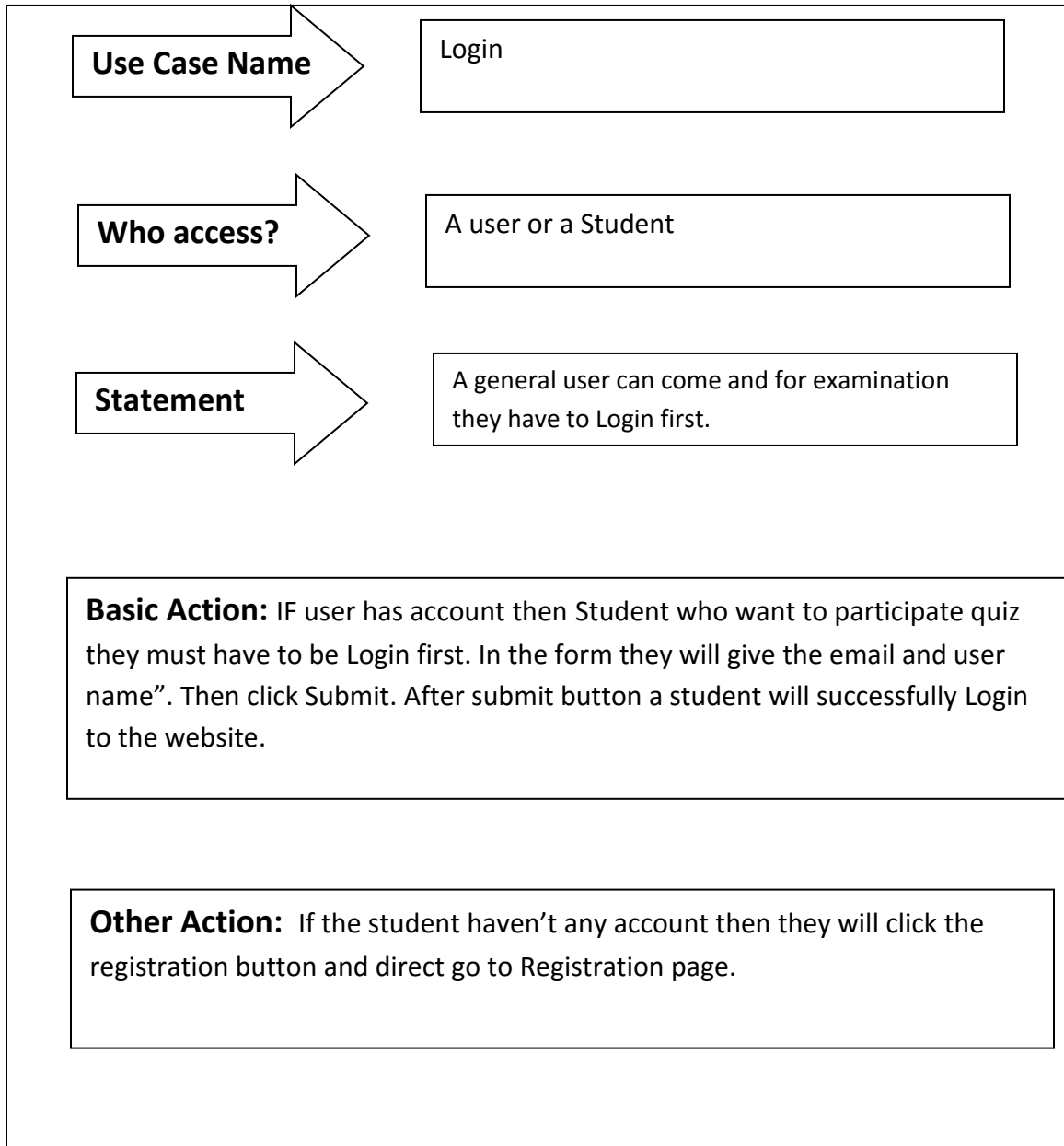
Manage: Admin will manage the whole system by adding class videos, uploading necessary books, update exam time, upload notice, schedule etc. Here

Admin: Admin is the person who will control the site. A teacher also can be an admin by taking permission by super user.

3.6 Sign Up Use Case:



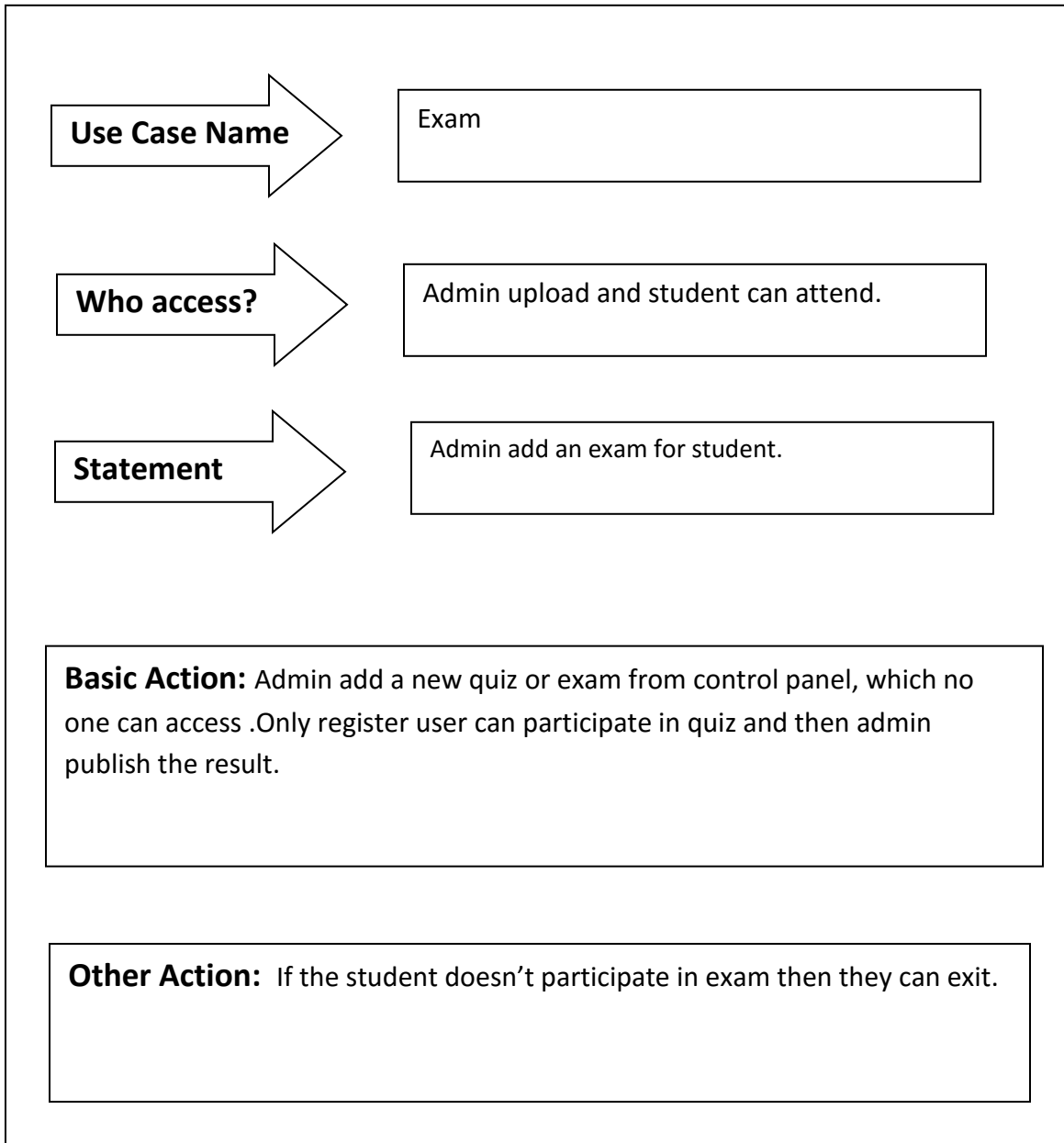
3.7 Login Use Case:



3.8 Admin Use Case:

Use Case Name	Admin
Who access?	An admin
Statement	An admin who control the whole system.
Basic Action: Admin is the controller here he can add user, edit user , add another admin or teacher .Admin can remove user, published result, update notice, exam date, schedule etc.	
Other Action: none	

3.9 Exam Use Case:



3.10 Logical Data Model

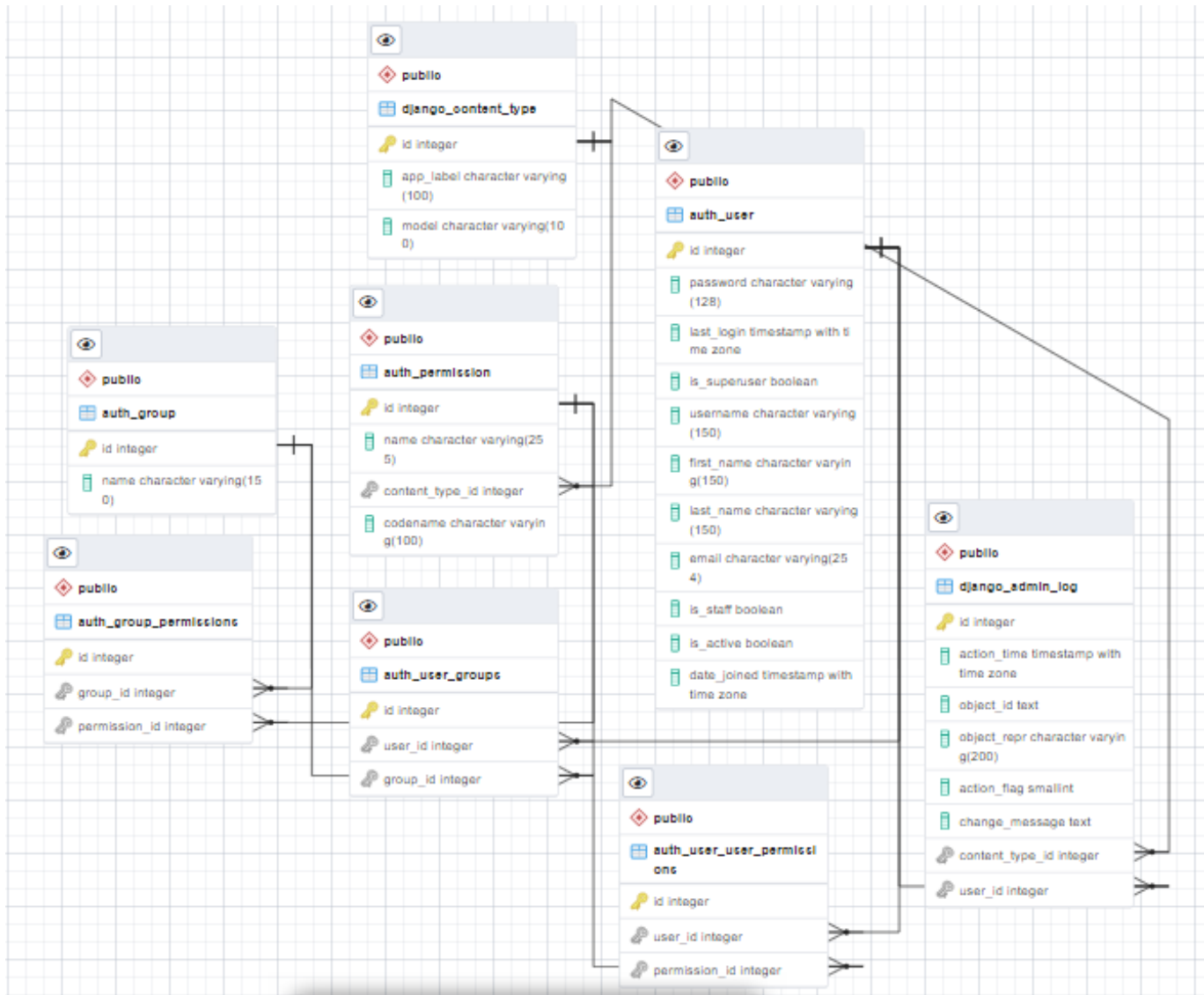


Figure: 3.5: Logical Data Model of Online Exam Management System

Chapter 4

System Design and Implementation

4.1 Model Waterfall of 'Online Exam Management System'

The waterfall model is a model where it has five-step. It is needed to starting any simple project. Following the five steps, the work will be perfect.

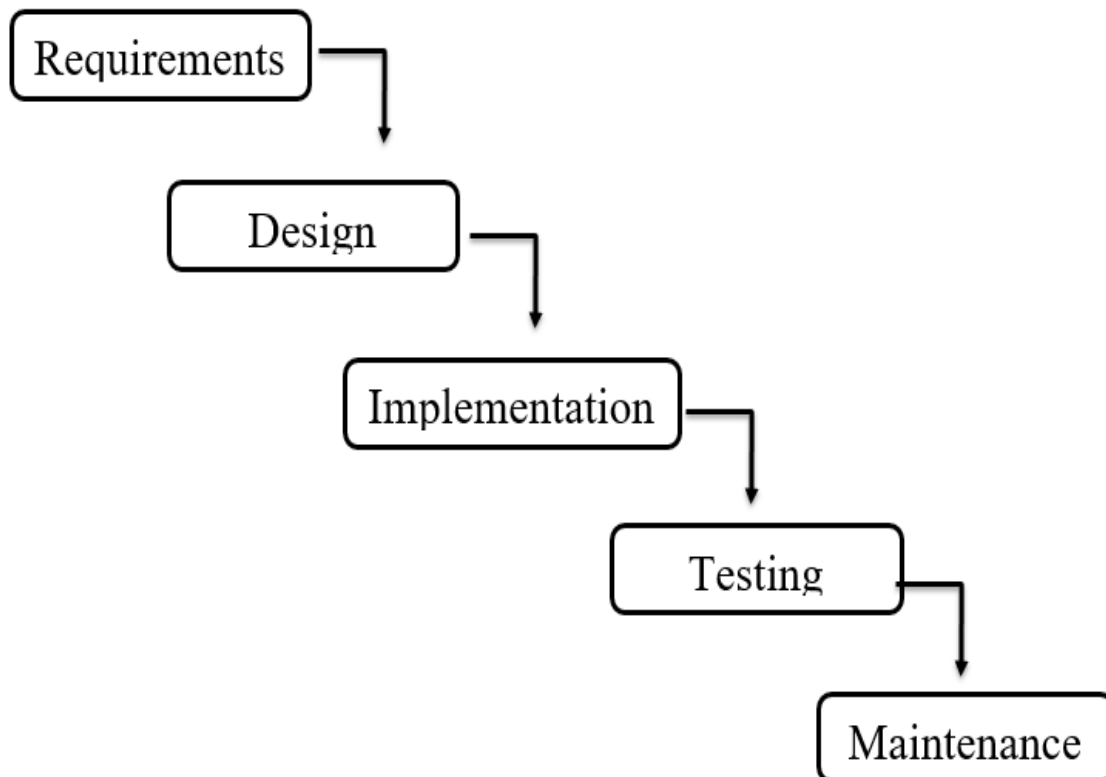


Figure 4.1: Waterfall Model of Online Exam Management System

4.2 Waterfall Model Description

In this project we choose the waterfall model. Working procedure of waterfall model.

Requirement: First of all before start our project we make a plan to implement the project. In our project which feature will be consist. What is needed of us or what content will be consist the site.

Design: After gaining requirement then we make project design. There we make an overall design for implement that how will be look like the site.

Implements: After design we implemented our project step by step by our requirements.

Testing: Finally we tested the project.

4.2 Justification of Methodology

- Waterfall method is very simple
- This project is short and low cost
- This project is well understood
- Stable project
- Easy to Explain

Chapter 5

Design Specification

5.1 Front-End Design of ‘Online Exam Management System’:

Home Page: This is the home page where someone visit to our site, then firstly they can see this page. Here these slide will change every 3 second.



Figure 5.1: Home Page of Online Exam Management System



User Registration:

New user or student before login they have to be registration. Here, user fill the empty box by their name, email, age, school etc.

একটি নতুন একাউন্টের জন্য রেজিস্ট্রেশন কর

একটি অ্যাকাউন্ট তৈরি কর

Your Name

Your Email

Password

Confirm Password

রেজিস্ট্রেশন

যদি একটি একাউন্ট থেকে থাকে তাহলে এখানে লগ-ইন কর

Figure 5.2: Registration Page of Online Exam Management System

User Login Page:

If user have already an account then he fill the box by their user name or email and password. Then submit for login. Otherwise if user doesn't have any account then they have to registration

first.

হোম সাইট সম্পর্কে ডেভেলপারস যোগাযোগ নোটিশ বোর্ড ক্লাস সমূহ বই সমূহ লগ-ইন

তোমার একাউন্টে লগ-ইন কর

তোমার একাউন্টে লগ-ইন কর

User Name

Password

আমার পাসওয়ার্ড ভুলে গেছি 👁

লগ-ইন

তোমার কি কোন একাউন্ট নাই? রেজিস্ট্রেশন কর!

Figure 5.3: Login Page of Online Exam Management System

User Profile Page: After successfully Login user can go to their profile.

প্রোফাইল

🔒

Name

a

LOGOUT

Useful Links

[পরীক্ষায় ভালো মার্ক পেতে হলে অনেক পড়তে হবে](#)

[সবথেকে ভালো যে তার অবস্থান সবসময়ই উপরে](#)

Figure 5.4: Profile Page of Online Exam Management System

Notice Page: Here all the notice like as exam schedule, time or other important notice will published by admin.

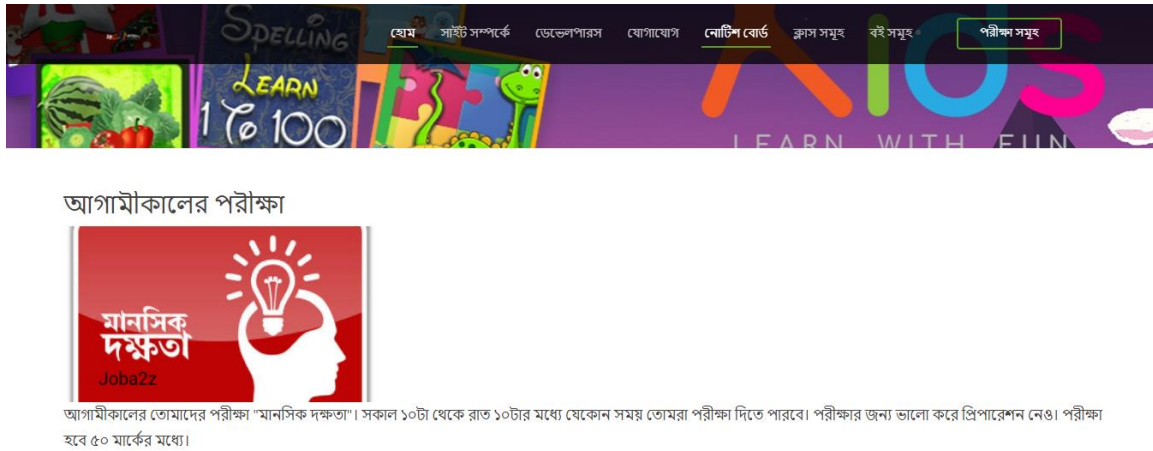


Figure 5.5: Notice Page of Online Exam Management System

Class Videos:

Student can watch video to learn subjective or others books or tutorials. Like as Bangla, English, Math tutorials.

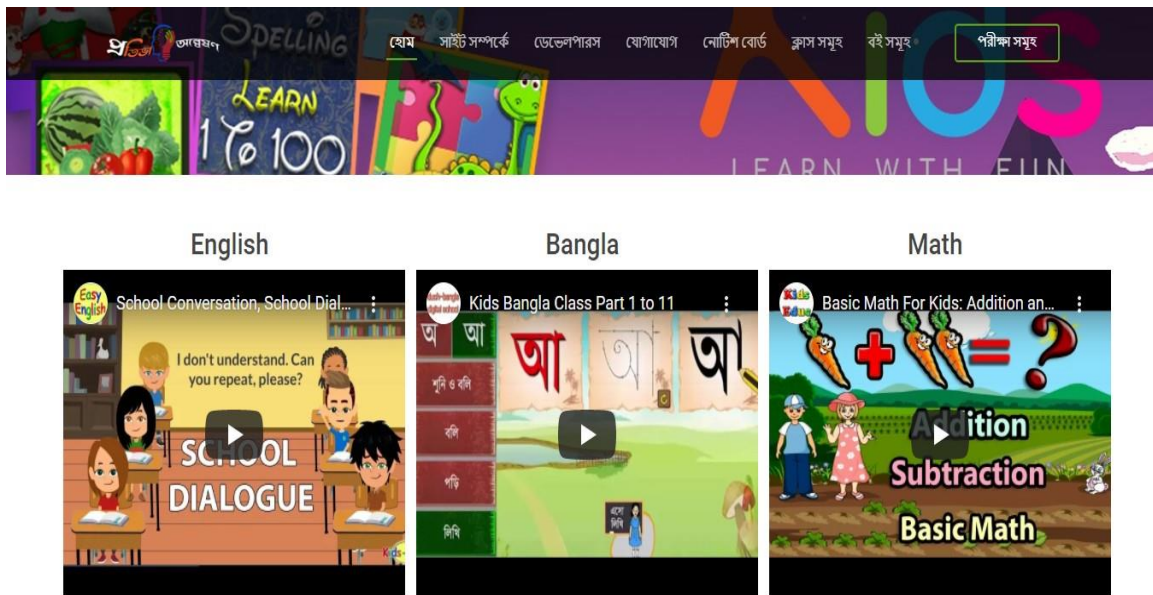


Figure 5.6: Tutorials Page of Online Exam Management System

Books library: In this section student can download important books or pdf easily. And they can request for any books to admin by contact.

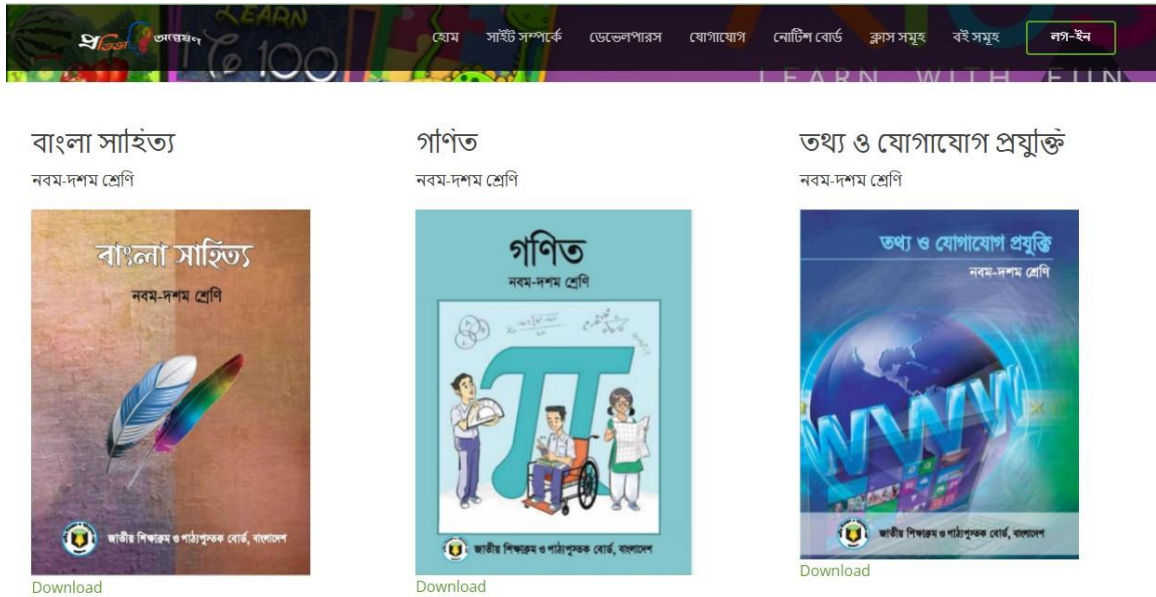


Figure 5.7: Library Page of Online Exam Management System

Exams Modules:

In this section student can choose which quiz or exam he want to participate. By clicking that button they can easily participate that quiz.

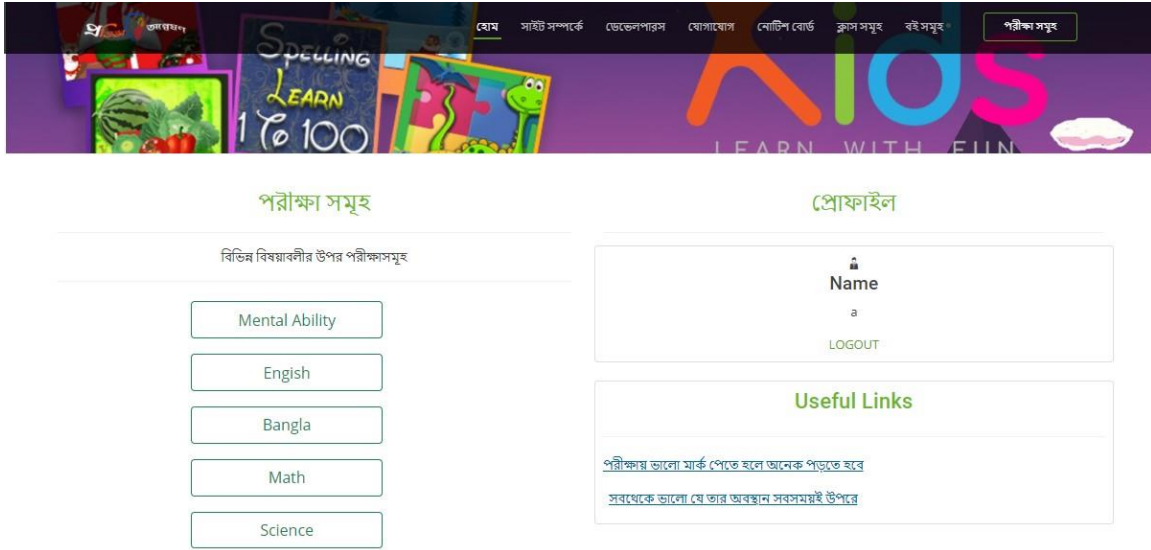
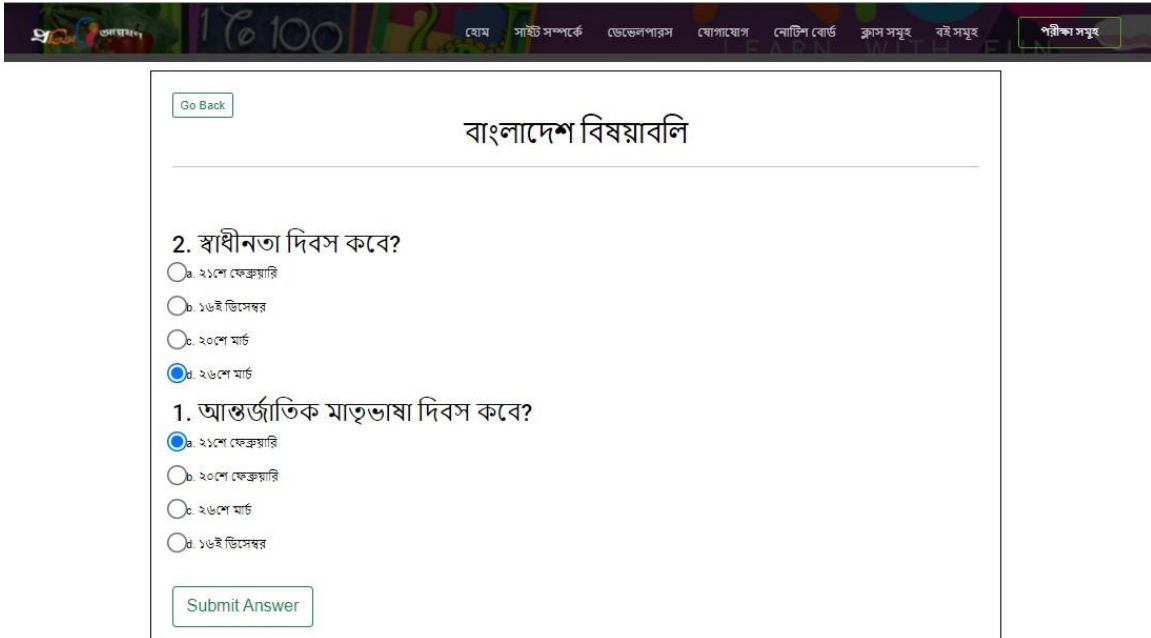
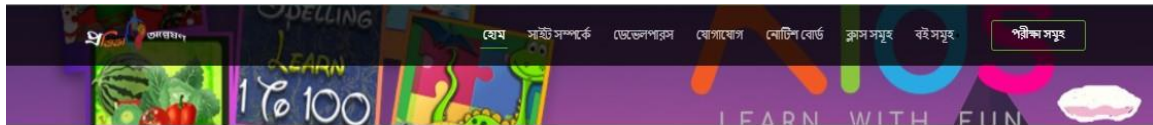


Figure 5.8: Exam Module Page of Online Exam Management System

Exam Questions:

This is an example of question. Student can choose the correct answer and then submit for result. After submit Student can see the how much marks they have gotten.





Go Back

Mental Ability Questions

1. $0-1+1=?$

a. 1

b. 2

c. 0

d. 01

Submit Answer

Reset



Go Back

Mental Ability Questions

You scored 1 out of 1

1. $0-1+1=?$

a. 1

b. 2

c. 0

d. 01

Submit Answer

Reset

Figure 5.9: Exam Question sample of Online Exam Management System

Admin Panel Login: An admin also have login for access and control the system. By giving email and password they can access.

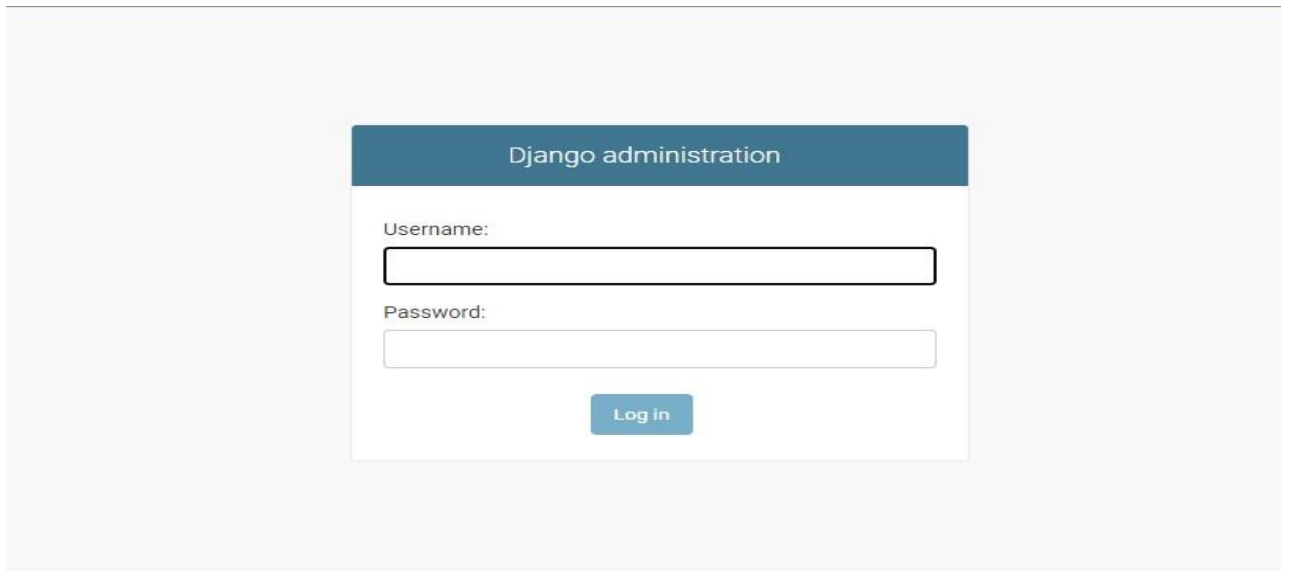


Figure 5.10: Admin Login Page of Online Exam Management System

Dashboard:

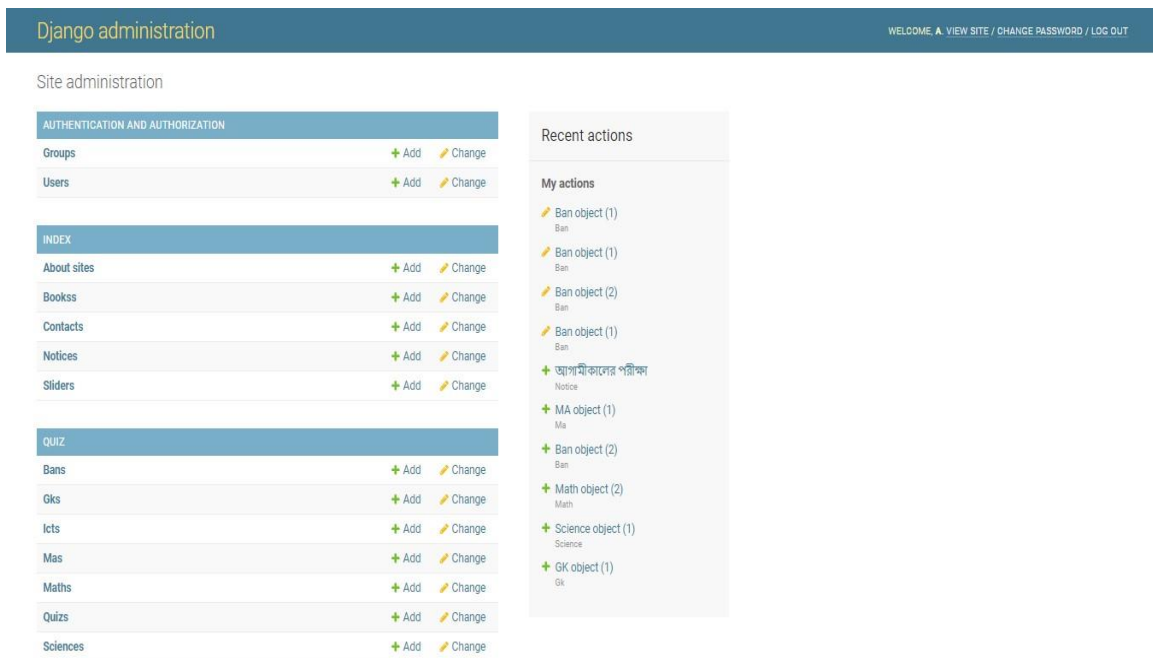


Figure 5.11: Admin Dashboard of Online Exam Management System

This is project admin dashboard. Admin can do everything here. Admin can edit questions, add questions etc. Admin can give notice from here also can change slide image etc.

Add quiz:

The screenshot shows the Django administration interface for an Online Exam Management System. The page title is "Django administration" and the user is logged in as "WELCOME". The breadcrumb trail is "Home > Quiz > Bans > Ban object (2)". The left sidebar shows the "QUIZ" section with "Bans" highlighted. The main content area is titled "Change ban" and contains the following form fields:

- Question: স্বাধীনতা দিবস কবে?
- Option1: ২১শে ফেব্রুয়ারি
- Option2: ১৬ই ডিসেম্বর
- Option3: ২০শে মার্চ
- Option4: ২৬শে মার্চ
- Answer: d

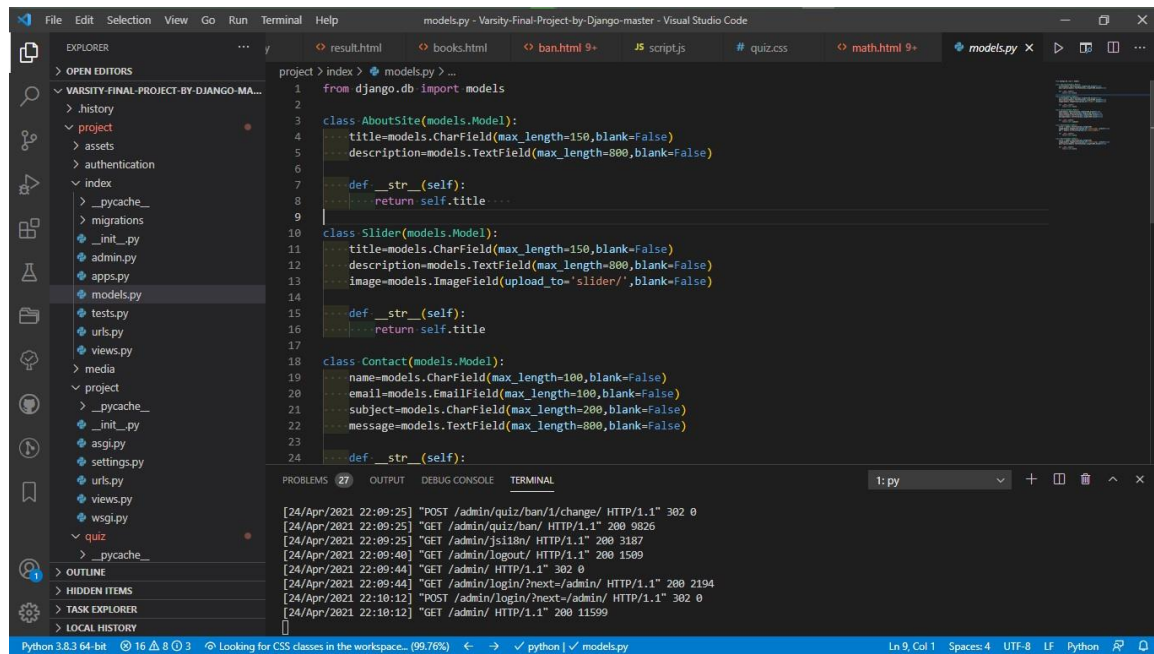
At the bottom of the form, there are four buttons: "Delete", "Save and add another", "Save and continue editing", and "SAVE".

Figure 5.12: Admin add questions of Online Exam Management System

Admin can add quiz here like the above figure, they can add Bangla, Math etc questions.

5.2 Back-End Design of 'Online Exam Management System':

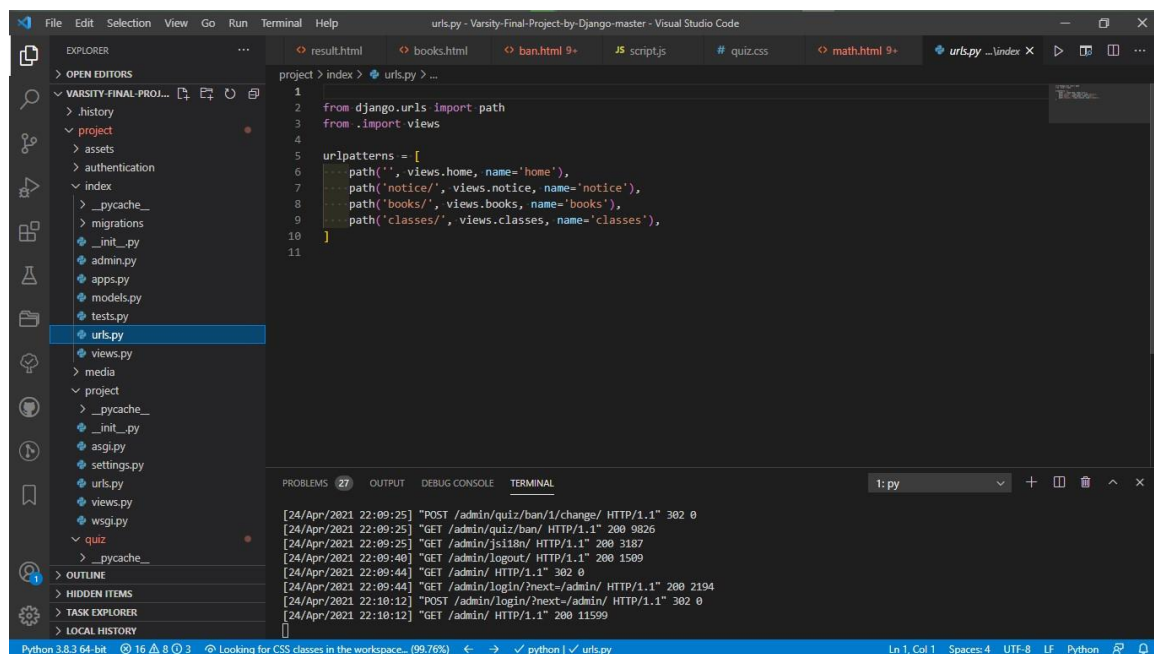
Code:



```
project > index > models.py > ...
1 from django.db import models
2
3 class AboutSite(models.Model):
4     title=models.CharField(max_length=150,blank=False)
5     description=models.TextField(max_length=800,blank=False)
6
7     def __str__(self):
8         return self.title
9
10 class Slider(models.Model):
11     title=models.CharField(max_length=150,blank=False)
12     description=models.TextField(max_length=800,blank=False)
13     image=models.ImageField(upload_to='slider/',blank=False)
14
15     def __str__(self):
16         return self.title
17
18 class Contact(models.Model):
19     name=models.CharField(max_length=100,blank=False)
20     email=models.EmailField(max_length=100,blank=False)
21     subject=models.CharField(max_length=200,blank=False)
22     message=models.TextField(max_length=800,blank=False)
23
24     def __str__(self):
```

Terminal output:

```
[24/Apr/2021 22:09:25] "POST /admin/quiz/ban/1/change/ HTTP/1.1" 302 0
[24/Apr/2021 22:09:25] "GET /admin/quiz/ban/ HTTP/1.1" 200 9826
[24/Apr/2021 22:09:25] "GET /admin/jsi18n/ HTTP/1.1" 200 3187
[24/Apr/2021 22:09:40] "GET /admin/logout/ HTTP/1.1" 200 1509
[24/Apr/2021 22:09:44] "GET /admin/ HTTP/1.1" 302 0
[24/Apr/2021 22:09:44] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 2194
[24/Apr/2021 22:10:12] "POST /admin/login/?next=/admin/ HTTP/1.1" 302 0
[24/Apr/2021 22:10:12] "GET /admin/ HTTP/1.1" 200 11599
```



```
project > index > urls.py > ...
1 from django.urls import path
2 from . import views
3
4 urlpatterns = [
5     path('', views.home, name='home'),
6     path('notice/', views.notice, name='notice'),
7     path('books/', views.books, name='books'),
8     path('classes/', views.classes, name='classes'),
9 ]
10
```

Terminal output:

```
[24/Apr/2021 22:09:25] "POST /admin/quiz/ban/1/change/ HTTP/1.1" 302 0
[24/Apr/2021 22:09:25] "GET /admin/quiz/ban/ HTTP/1.1" 200 9826
[24/Apr/2021 22:09:25] "GET /admin/jsi18n/ HTTP/1.1" 200 3187
[24/Apr/2021 22:09:40] "GET /admin/logout/ HTTP/1.1" 200 1509
[24/Apr/2021 22:09:44] "GET /admin/ HTTP/1.1" 302 0
[24/Apr/2021 22:09:44] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 2194
[24/Apr/2021 22:10:12] "POST /admin/login/?next=/admin/ HTTP/1.1" 302 0
[24/Apr/2021 22:10:12] "GET /admin/ HTTP/1.1" 200 11599
```

```
1 from django.shortcuts import render
2 from .models import AboutSite
3 from .models import Slider
4 from .models import Contact
5 from .models import Notice
6 from .models import Books
7
8 def home(request):
9     aboutdata = AboutSite.objects.all()[0]
10    sliderdata = Slider.objects.all()
11    context = {
12        'aboutsite': aboutdata,
13        'slider': sliderdata
14    }
15    if request.method == 'POST':
16        name = request.POST.get('name')
17        email = request.POST.get('email')
18        subject = request.POST.get('subject')
19        message = request.POST.get('message')
20
21        contactdata = Contact(name=name, email=email, subject=subject, message=message)
22        contactdata.save()
23    return render(request, "index.html", context)
24
```

The terminal window shows the following log output:

```
[24/Apr/2021 22:09:25] "POST /admin/quiz/ban/1/change/ HTTP/1.1" 302 0
[24/Apr/2021 22:09:25] "GET /admin/quiz/ban/ HTTP/1.1" 200 9026
[24/Apr/2021 22:09:25] "GET /admin/js118n/ HTTP/1.1" 200 3187
[24/Apr/2021 22:09:40] "GET /admin/logout/ HTTP/1.1" 200 1509
[24/Apr/2021 22:09:44] "GET /admin/ HTTP/1.1" 302 0
[24/Apr/2021 22:09:44] "GET /admin/login/?next=/admin/ HTTP/1.1" 200 2194
[24/Apr/2021 22:10:12] "POST /admin/login/?next=/admin/ HTTP/1.1" 302 0
[24/Apr/2021 22:10:12] "GET /admin/ HTTP/1.1" 200 11599
```

Figure 5.13: Back-end code of Online Exam Management System

This is our back-end design code. Here we have used python program code. This is our model.py page, urls.py page and views.py page.

5.3 Database of ‘Online Exam Management System’:

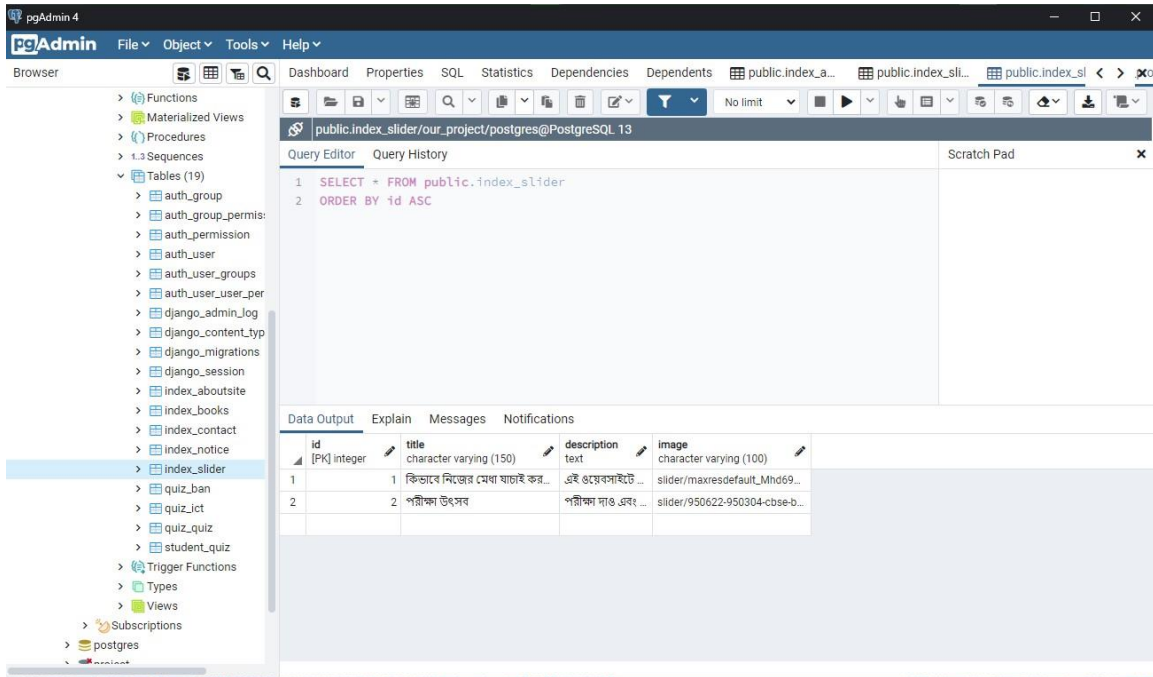


Figure 5.14: Database of Online Exam Management System

This is our database table, for database we used here PgAdmin software.

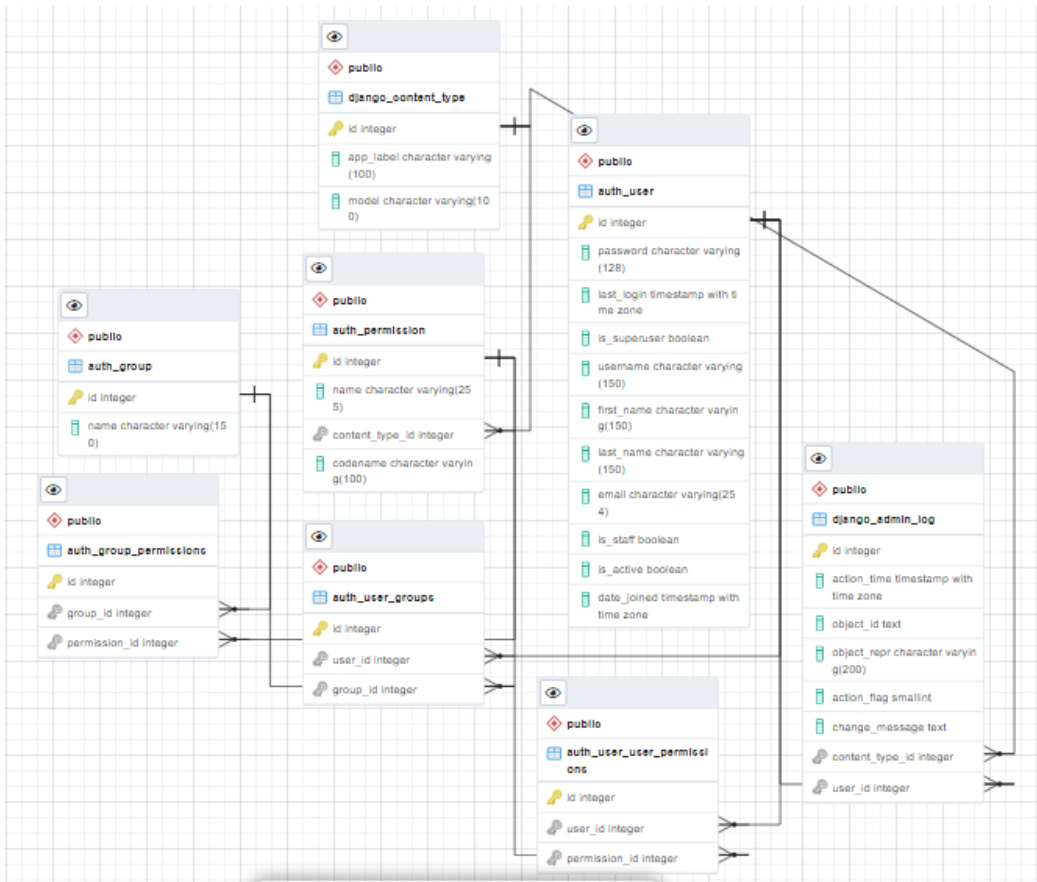


Figure 5.15: Database of Online Exam Management System

This is our database Entity Relationship Diagram (ERD). Here we can see our database table entity-relationship.

Chapter 6

Advantages and Questions

6.1 Advantages of 'Online Exam Management System':

1. Able to select good students in order of merit list.
2. The efforts of a student to verify his own merit can have a profound effect on his life.
3. Hope that the students will be very interested in verifying their merits.
4. Students' talents will develop.
5. They will be competitive.
6. A proper examination platform.
7. Connection with students by this platform.
8. An improved query bank.
9. Big databases of scholarly information.
10. Easy to use and fast service.

6.2 Questions about this project:

Some common Questions –

- 1) Who are the common target user of this project?

Ans: Generally Student who are studying in under Graduate are the common user of this project.

- 2) Can anyone participate in exam?

Ans: Sure anyone can participate in exam but they have to registration first.

3) What data is necessary for Registration?

Ans: For registration a student must have a User name, email or phone, age, School.

4) When a student can attend in exam?

Ans: A student can attend anytime a day can attend in exam.

5) Have any fee for the exam?

Ans: No, there is no fee for the exam, it's fully free.

Chapter 7

Conclusion and Future Scope:

7.1 Future Scope:

At present this project is very simple now, but in this project this is about huge area to develop. This is the time of technology, so everyone now using Internet. And they learn and develop themselves by various way in internet. So everyone now study at online, they participate at online exam. They can competitive with many student and judge themselves. There is no border to participate with foreign student. At near future everything will be in online. A lot of source of knowledge is now at internet. So there is a big market in future, every one want to be learn and judge themselves. So this platform has huge area and features. We will add the School ranking, student ranking, student improvement chart, use artificially student weakness detects.

7.2 Conclusion:

This system is prepared for the established any students and it will provide almost full information and it will provide almost full information about how to manage the Result or the information of the student. Both the provided utilities make the application interesting and easy to get information. Students can easily increase their knowledge with quizzes from here. Students will benefit a lot from getting reading books from here. They will be able to easily know when it will happen by notifying them on the site. Students can create scores with exams. Eventually competitors can easily prepare themselves for any test through this system.

The application is able to meet most of the requirements that is commonly asked by the students. Hope they will be benefited.

APPENDIX: PROJECT REFLECTION

PgAdmin Software Database:

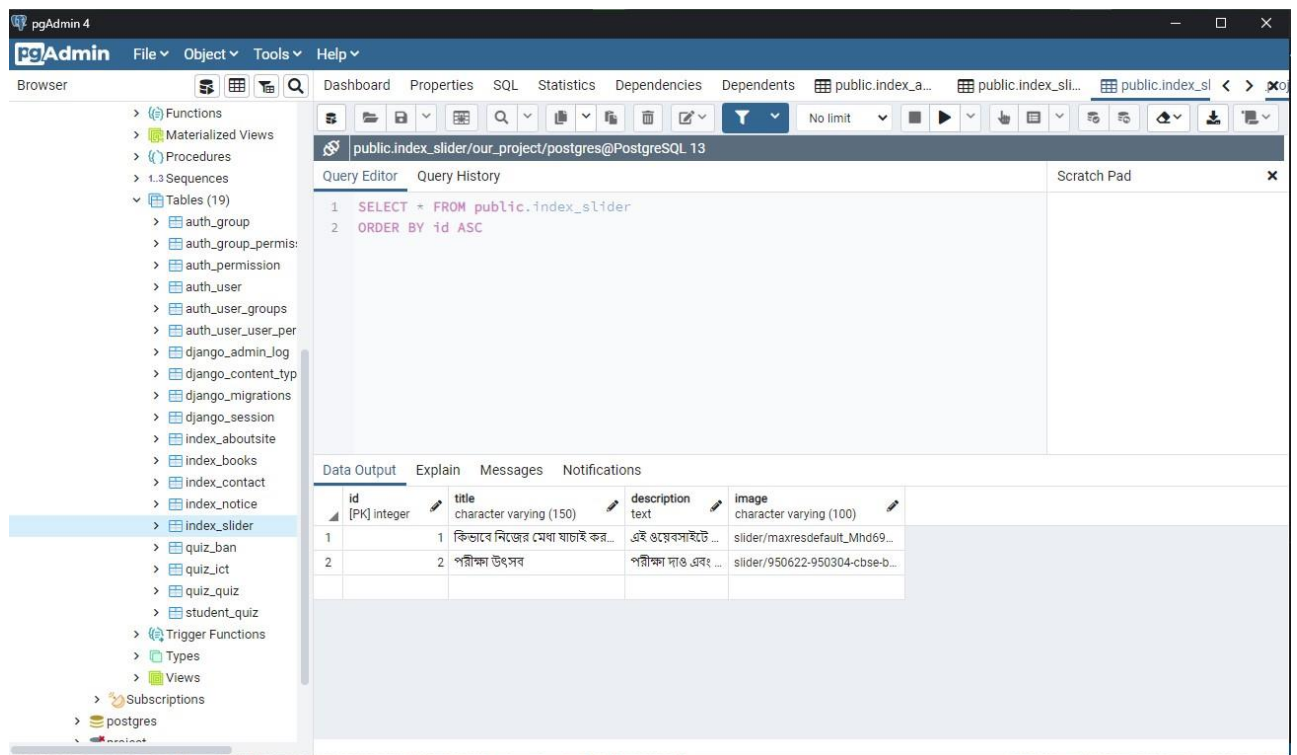


Figure x: PgAdmin software of Online Exam Management System

References:

- [1]Mark Otto, a., 2021. *Introduction*. [online] Getbootstrap.com. Available at: <<https://getbootstrap.com/docs/4.0/getting-started/introduction/>> [Accessed 3 January 2021].
- [2]Docs.djangoproject.com. 2021. *Models | Django documentation | Django*. [online] Available at: <<https://docs.djangoproject.com/en/3.2/topics/db/models/>> [Accessed 12 February 2021].
- [3]W3schools.com.2021. *Python Syntax*. [online] Available at: <https://www.w3schools.com/python/python_syntax.asp> [Accessed 8 March 2021].
- [4]database, D., Fireg, M. and Mohammad, U., 2021. *Django problems with database*. [online] Stack Overflow. Available at: <<https://stackoverflow.com/questions/51978360/django-problems-with-database>> [Accessed 2 April 2021].

Plagiarism Report

4/29/2021 Turnitin Document Viewer

Turnitin Originality Report

Processed on: 29-Apr-2021 11:12:406
 ID: 1573101861
 Word Count: 2432
 Submitted: 1

Project on Online Exam Management System By Ashim Mitra

Similarity Index	Similarity by Source
10%	Internet Sources: 7% Publications: 0% Student Papers: 9%

[exclude quoted](#) [exclude bibliographies](#) [exclude small matches](#) mode:

[print](#) [refresh](#) [download](#)

5% match (student papers from 05-Apr-2018) Submitted to Daffodil International University on 2018-04-05	<input type="checkbox"/>
1% match (student papers from 07-Apr-2018) Submitted to Daffodil International University on 2018-04-07	<input type="checkbox"/>
1% match (student papers from 10-Dec-2020) Submitted to Saint Paul University on 2020-12-10	<input type="checkbox"/>
1% match (student papers from 28-Apr-2021) Submitted to University of Wales Institute - Cardiff on 2021-04-28	<input type="checkbox"/>
1% match (student papers from 19-Apr-2021) Submitted to University of Greenwich on 2021-04-19	<input type="checkbox"/>
<1% match (student papers from 17-Jan-2021) Submitted to Asia Pacific University College of Technology and Innovation (UCTI) on 2021-01-17	<input type="checkbox"/>
<1% match (student papers from 01-Nov-2018) Submitted to Indian Institute of Technology Bombay on 2018-11-01	<input type="checkbox"/>
<1% match (student papers from 06-Jun-2018) Submitted to Higher Education Commission Pakistan on 2018-06-06	<input type="checkbox"/>
<1% match (Internet from 31-Mar-2020) https://infostore.saiglobal.com/en-us/Standards/ACI-325-10R-1995-2473-SAIG-ACI-ACI-6141/en-us/contact-us/en-us/contact-us/	<input type="checkbox"/>

https://www.turnitin.com/newsreport_classic.asp?lang=en_us&id=1573101861&f=1&bypass_cv=1 1/10

4/29/2021 Turnitin

<1% match (Internet from 07-Apr-2021) http://dspace.daffodilvarsity.edu.bd/80/80	<input type="checkbox"/>
<1% match (Internet from 01-Apr-2019) http://trap.ncirl.ie	<input type="checkbox"/>
<1% match (Internet from 15-Jul-2020) https://mafiadoc.com/gjay-shetty_59bffa5c1273dd93e746c332.html	<input type="checkbox"/>

