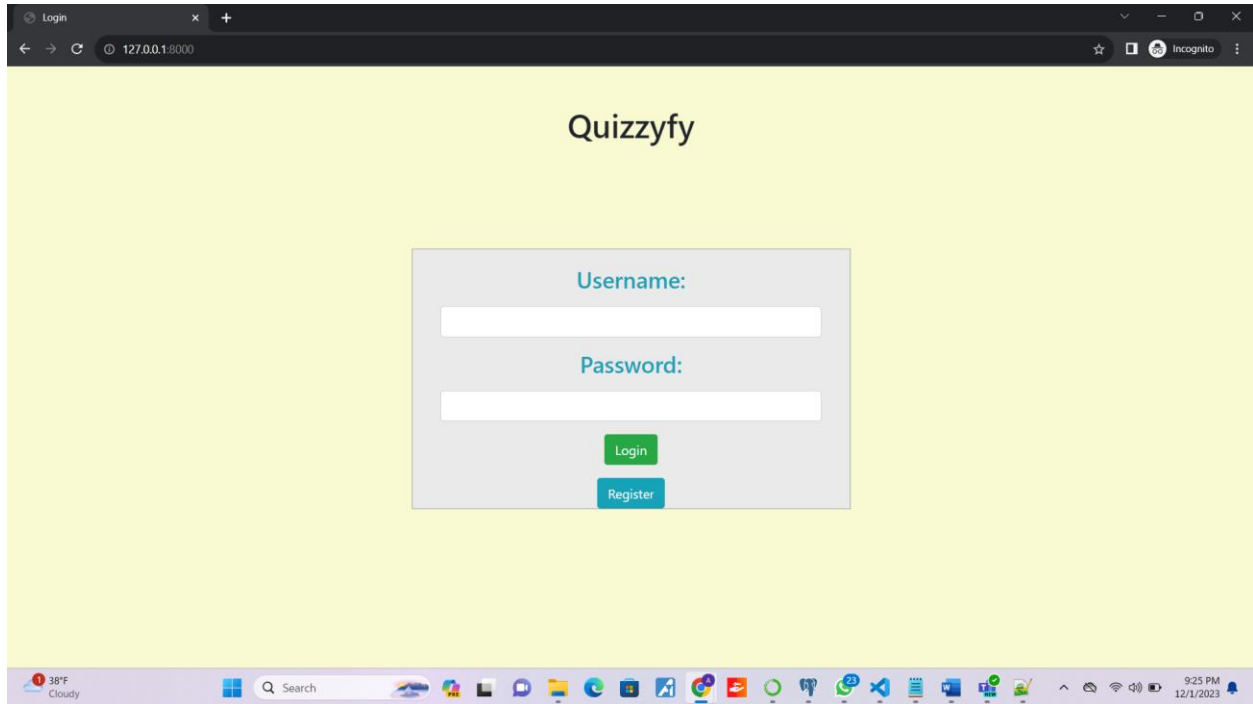
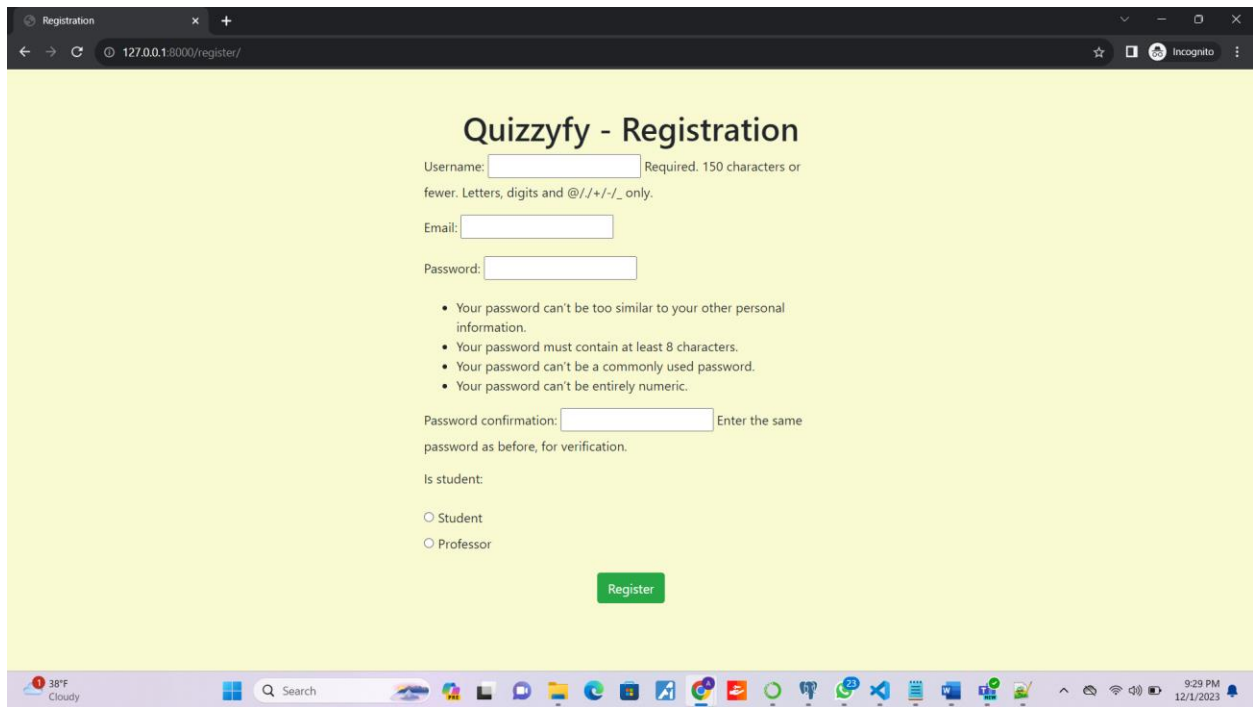


Below are the screenshot of the application.

Login page:



Registration page

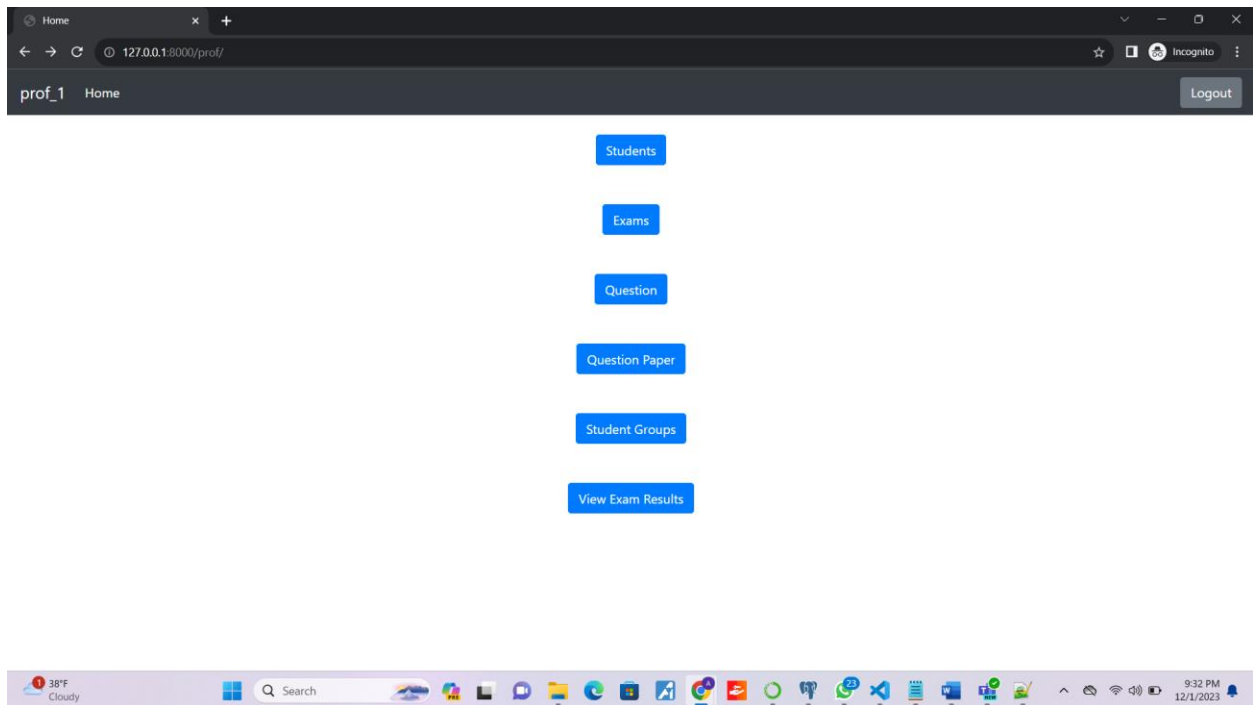


The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/register/". The page title is "Registration". The main heading is "Quizzify - Registration". Below the heading, there are input fields for "Username:", "Email:", and "Password:". The "Username:" field has a note: "Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only." Below the "Password:" field, there is a list of password requirements:

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

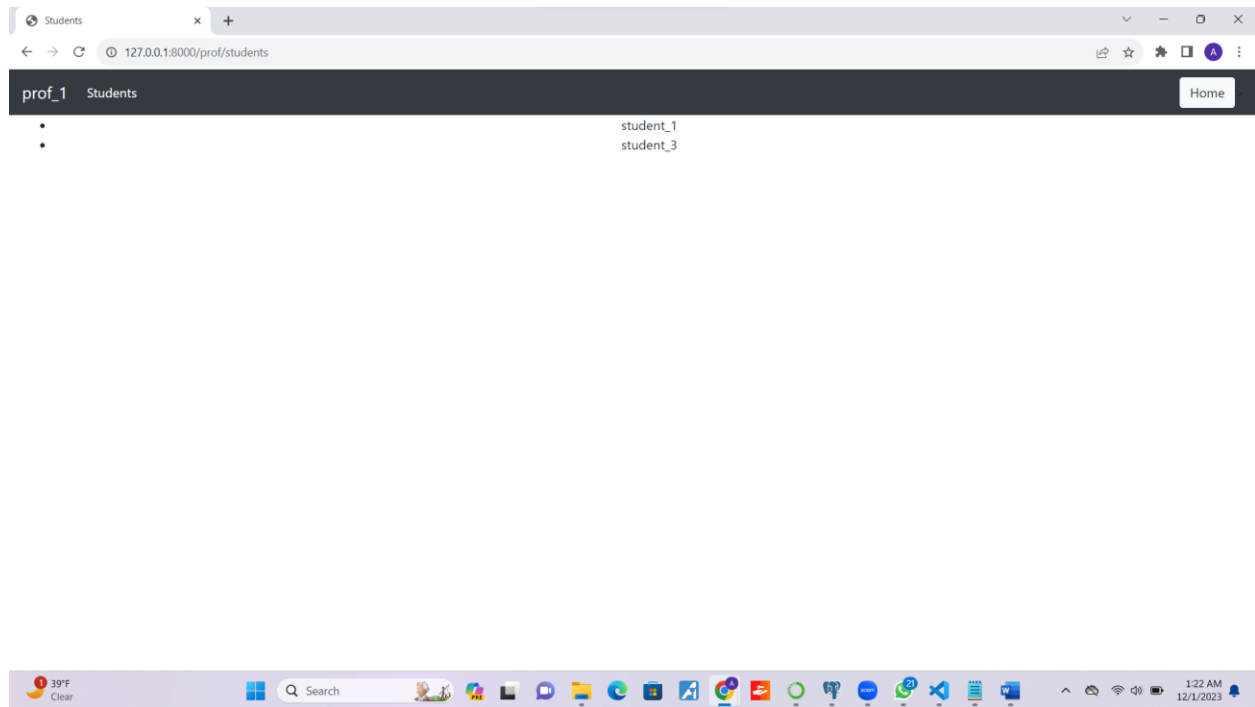
Below the list, there is a "Password confirmation:" field with a note: "Enter the same password as before, for verification." Below that, there is a section "Is student:" with two radio buttons: "Student" and "Professor". At the bottom, there is a green "Register" button.

Professor Dashboard:

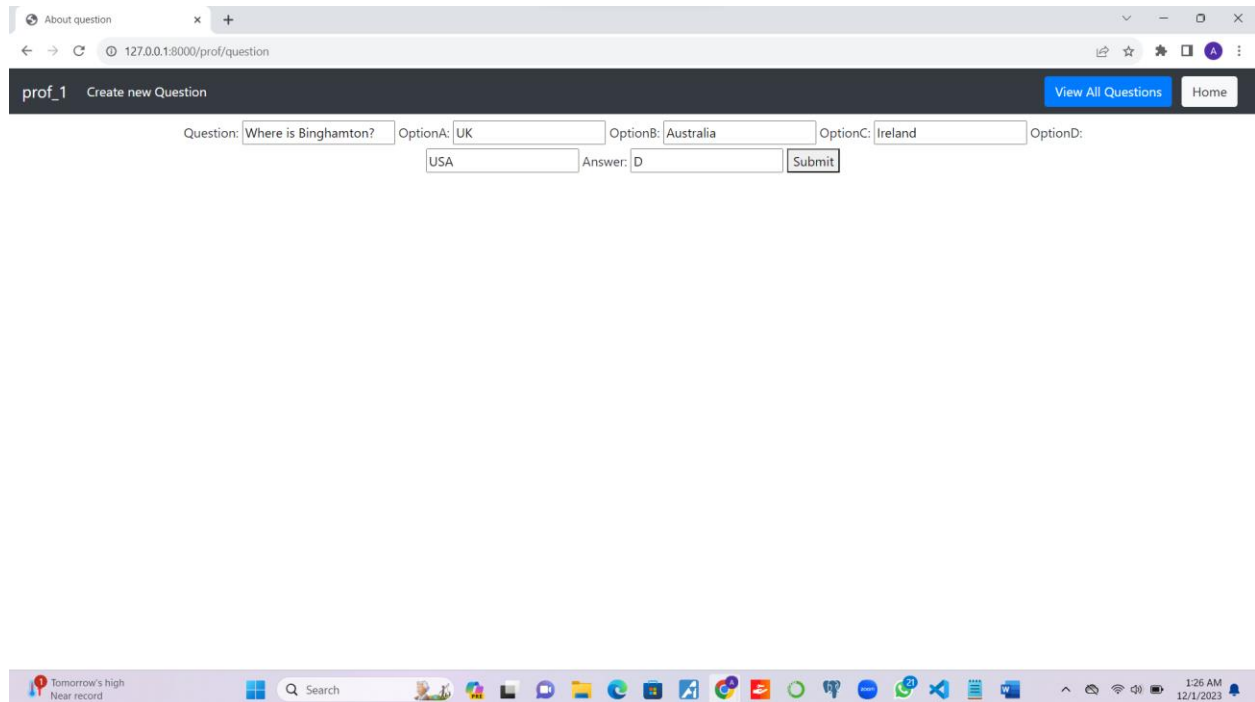


The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/prof/". The page title is "Home". Below the address bar, there is a navigation bar with "prof_1" and "Home" on the left, and a "Logout" button on the right. The main content area contains a vertical list of blue buttons: "Students", "Exams", "Question", "Question Paper", "Student Groups", and "View Exam Results".

List of students:



Creating question for students(Professor View):



Professor can modify the questions:

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/prof/question/view_all_ques". The page has a dark header with "prof_1 Questions" on the left, a "Search Question" input field, and "Add question" and "Home" buttons on the right. The main content area lists two questions:

- what is an apple**
A. fruit
B. vegetable
C. flower
D. vehicle
Answer : A
Buttons: Edit (blue), Delete (red)
- Where is Binghamton?**
A. UK
B. Australia
C. Ireland
D. USA
Answer : D
Buttons: Edit (blue), Delete (red)

The Windows taskbar at the bottom shows the time as 1:27 AM on 12/1/2023.

Create new question:

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/prof/questionpaper". The page has a dark header with "prof_1 Question Papers" on the left, a "Search Question Paper" input field, and a "Home" button on the right. The main content area is titled "Create new Question Paper" and features a text input field containing "new_quiz" and a green "Create" button below it.

Below this, there is a card titled "test" containing three buttons: "View" (dark grey), "Edit" (blue), and "Delete" (red).

The Windows taskbar at the bottom shows the time as 1:28 AM on 12/1/2023.

Professor view to add questions in quiz:

127.0.0.1:8000/prof/questionpaper/addquestion

prof_1 Add Questions to Paper

All Questions Question Papers

new_quiz

what is an apple

- A. fruit
- B. vegetable
- C. flower
- D. vehicle

Answer : A

Add to Paper

Where is Binghamton?

- A. UK
- B. Australia
- C. Ireland
- D. USA

Answer : D

Add to Paper

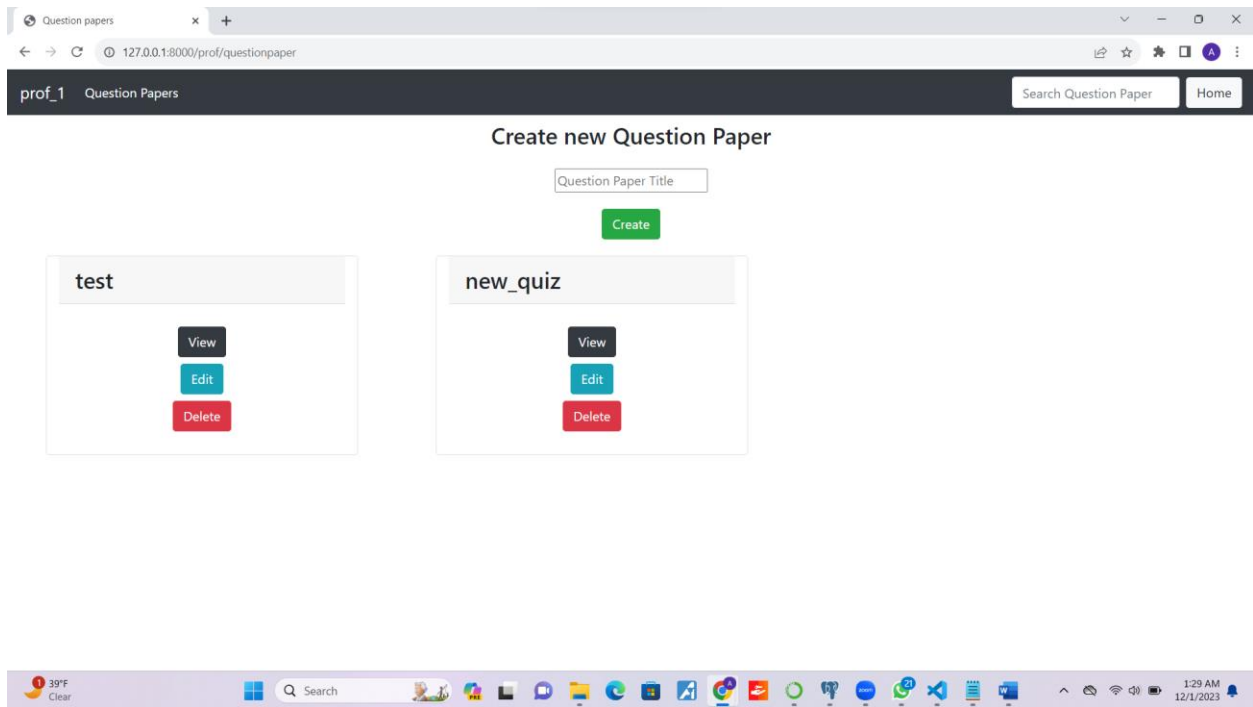
127.0.0.1:8000/prof/questionpaper/addquestion#

39°F Clear

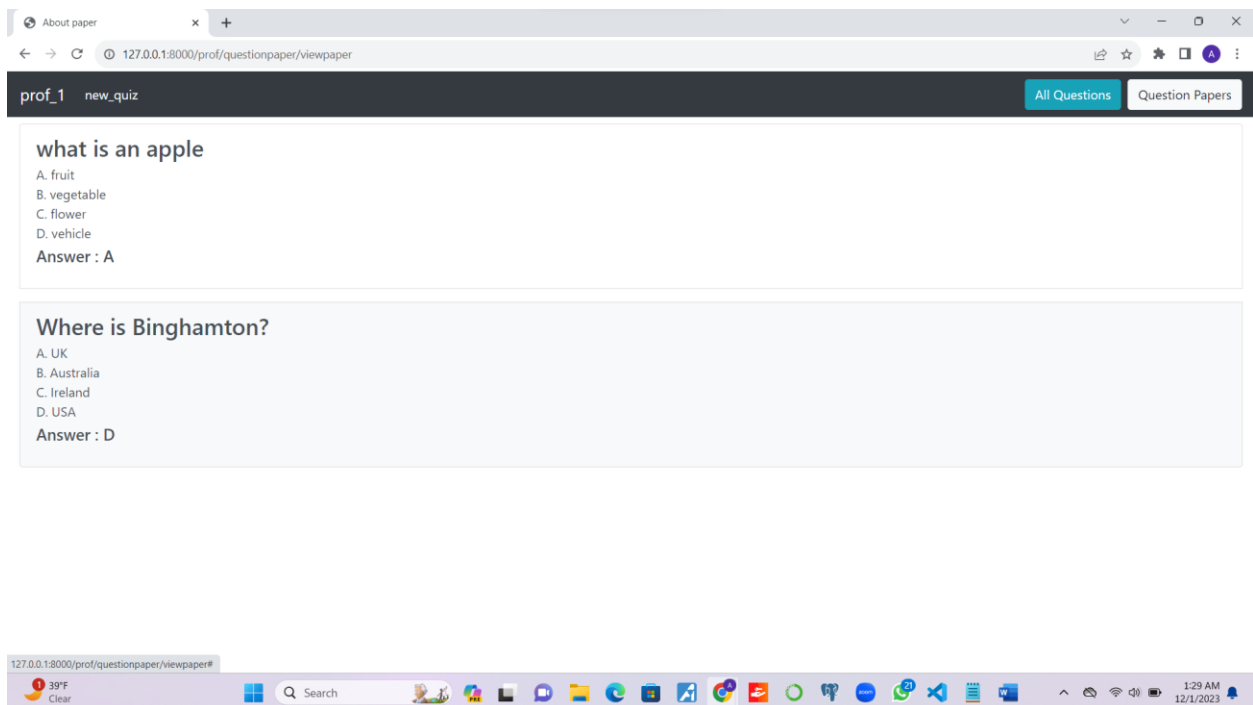
Search

1:28 AM 12/1/2023

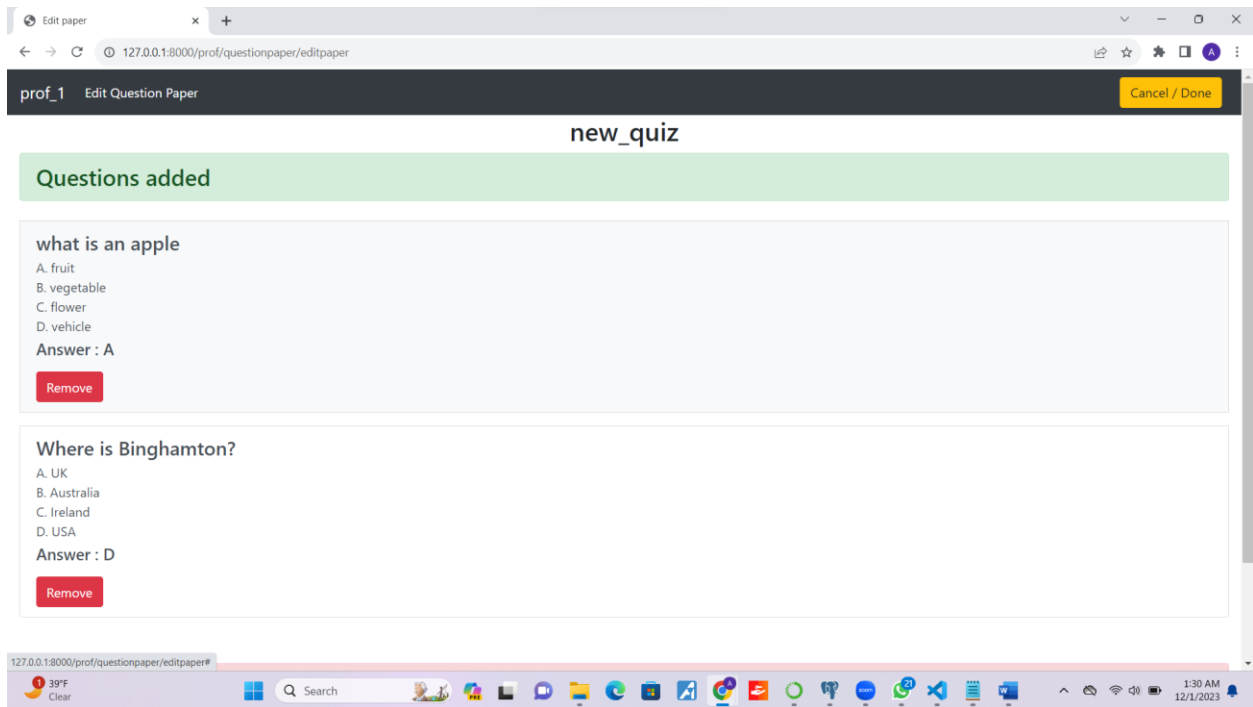
Create new question(Professor view):



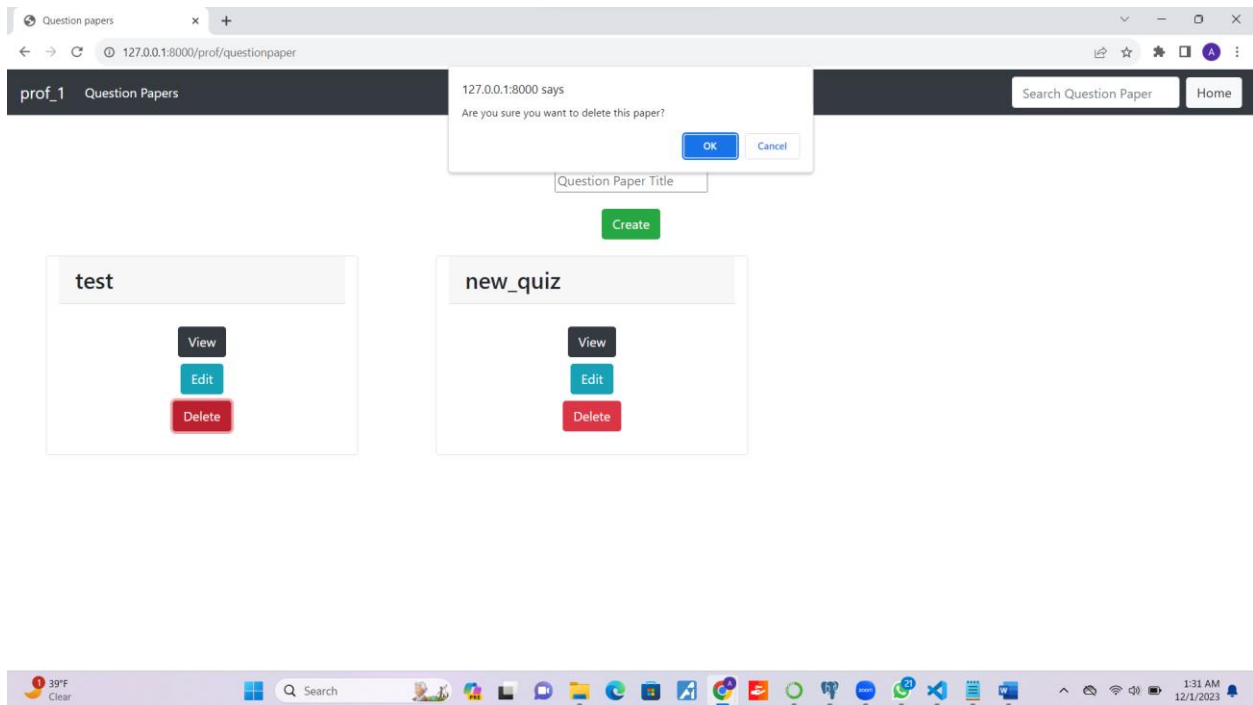
Created quiz:



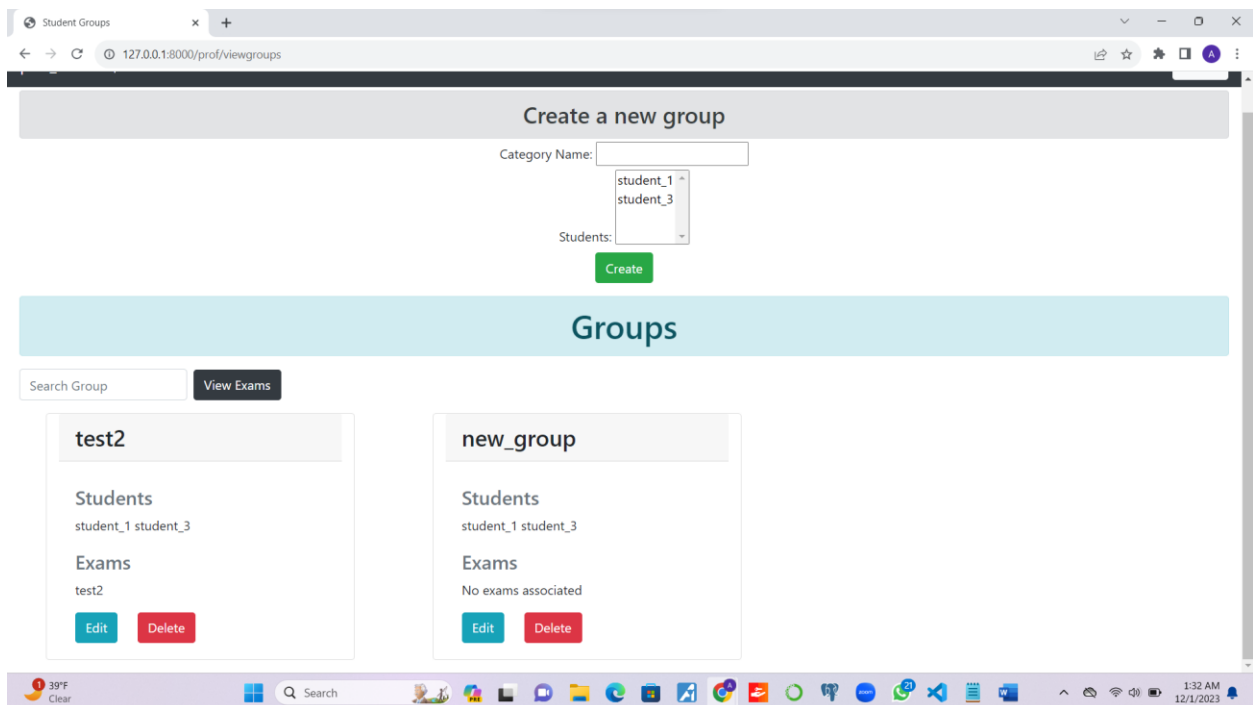
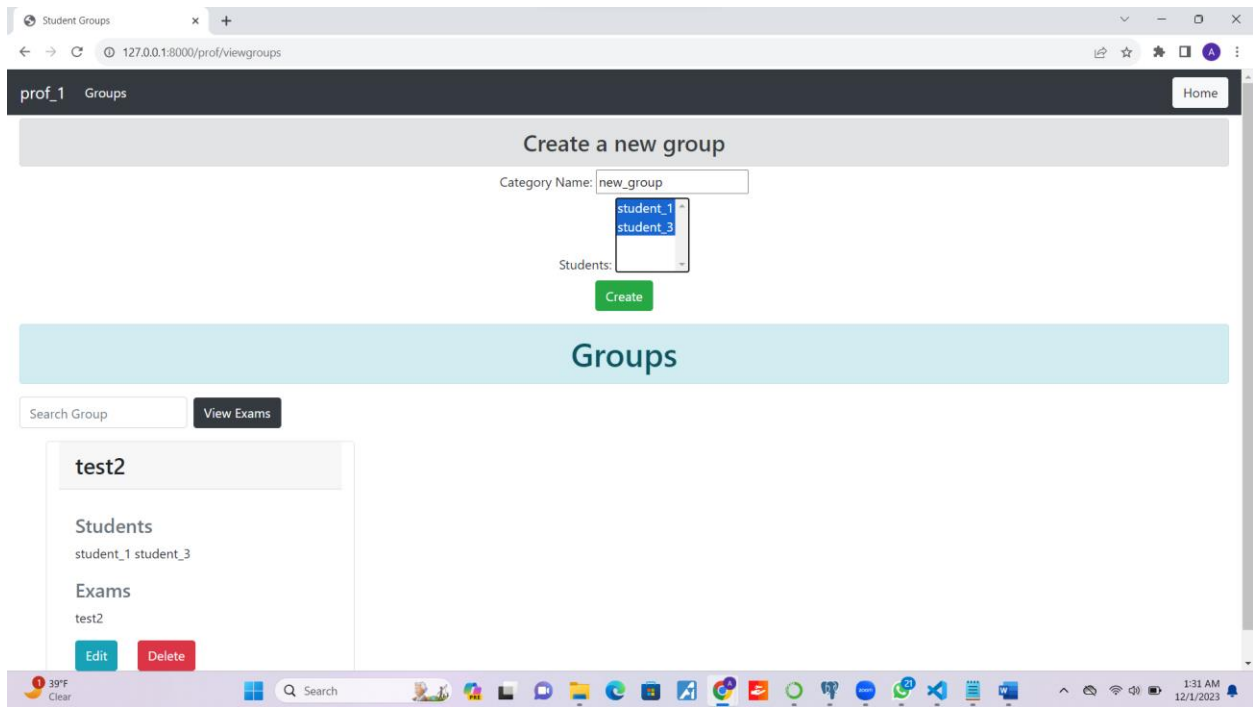
Professor view to edit questions:



Professor can delete the quiz:



Professor creating group of students who can give the quiz. Only selected students can give the quiz.



Professor can create new exam:

The screenshot shows a web browser window with the URL `127.0.0.1:8000/prof/exams`. The page title is "prof_1 Exams". There is a "View all Exams" button and a "Home" link in the top right. The main heading is "Create a new exam". Below this, there is a form with the following fields:

- Exam Name:
- Total Marks:
- Duration:
- Question Paper:
- Student Group:
- Start Time:
- End Time:

A green "Create" button is located below the form. Below the form, there is a section titled "Exams available" with a search bar and a "View Groups" button. The search bar contains the text "test2".

New exam created:

The screenshot shows the same web browser window, but now the "Exams available" section displays two exams. Each exam has an "Edit" button.

Exam Name	Start Time	Expiry Time	Total Marks	Duration	Question Paper	Student Group(s)
test2	Nov. 30, 2023, 2:35 p.m.	Nov. 30, 2023, 2:59 p.m.	10	3	test	test2
new_quiz	Dec. 1, 2023, 1:35 a.m.	Dec. 1, 2023, 1:36 a.m.	2	2	new_quiz	new_group

Professor created groups:

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/prof/viewgroups'. The page title is 'Student Groups'. The main heading is 'Create a new group'. Below this, there is a form with a 'Category Name:' input field, a 'Students:' dropdown menu (showing 'student_1' and 'student_3'), and a green 'Create' button. Below the form is a light blue banner with the word 'Groups'. Underneath the banner, there is a 'Search Group' input field and a 'View Exams' button. Two group cards are displayed: 'test2' and 'new_group'. Each card shows a list of 'Students' (student_1, student_3) and a list of 'Exams' (test2 for 'test2', new_quiz for 'new_group'). Each card has 'Edit' and 'Delete' buttons. The Windows taskbar at the bottom shows the date and time as 1:34 AM on 12/1/2023.

Professor can view student results:

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/prof/exam/results/'. The page title is 'Exam Results'. The user is logged in as 'prof_1' and there is a 'Logout' button. The main heading is 'Exam Results'. Below this, there is a table with two columns: 'Exam Name' and 'Result'. The table contains five rows of exam data, each with a 'View Exam Results' button.

Exam Name	Result
check	View Exam Results
test2	View Exam Results
test2	View Exam Results
new_quiz	View Exam Results
test	View Exam Results

The Windows taskbar at the bottom shows the date and time as 9:32 PM on 12/1/2023.

Professor viewing student results with average scores of students:

The screenshot shows a web browser window with the title 'test2 - Exam Scores'. The address bar shows the URL '127.0.0.1:8000/prof/exam/3/scores/'. The page content includes a section titled 'All Scores' with a table of exam results. Below this, it shows the 'Average Score: 1.5'. There are also sections for 'Top 5 Scores' and 'Bottom 5 Scores', each with a table of scores and names. The browser's taskbar at the bottom shows the system clock as 9:33 PM on 12/1/2023.

Exam	Score	Name
test2	2	student_1
test2	1	student_3

Average Score: 1.5

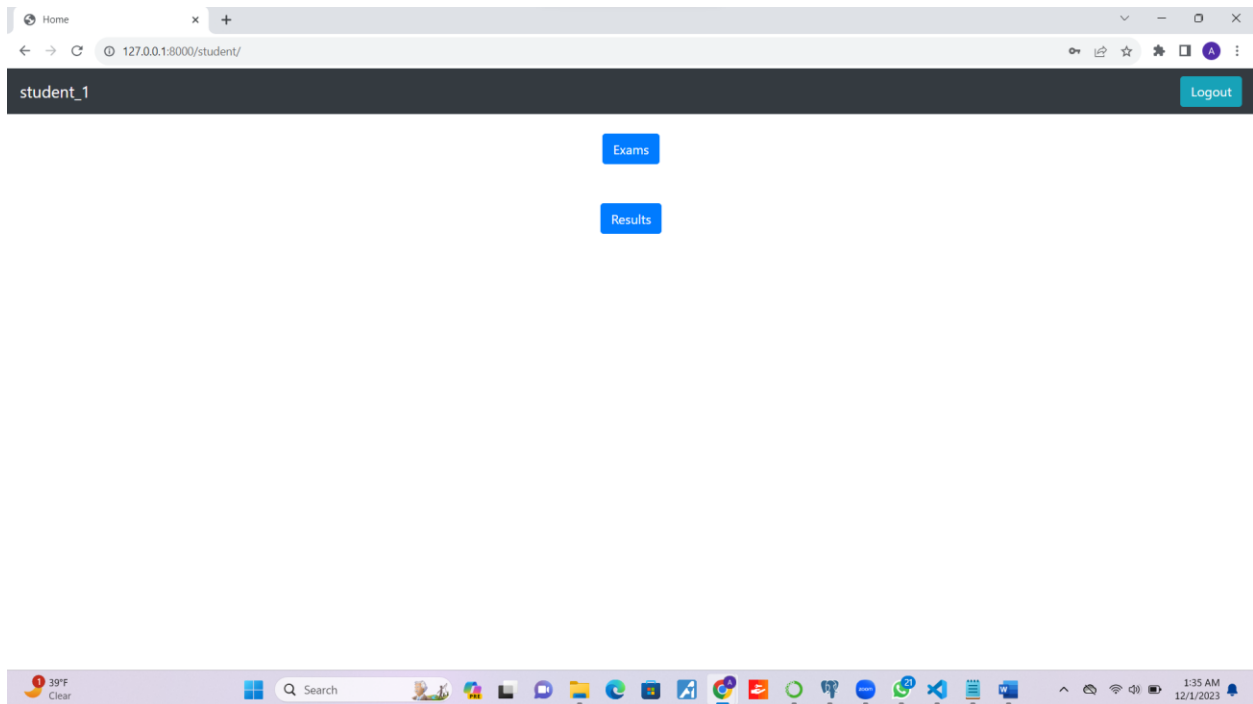
Score	Name
2	student_1
1	student_3

Score	Name
1	student_3
2	student_1

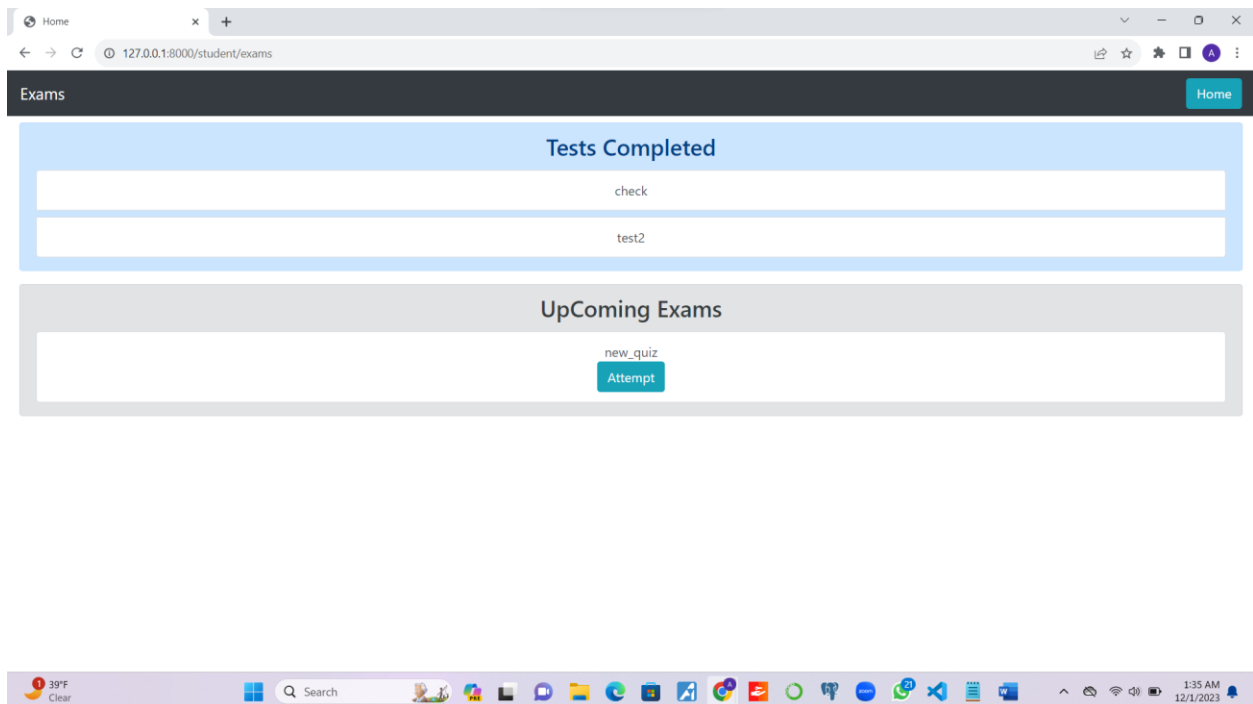
Logout page of professor:

The screenshot shows a web browser window with the title 'Logout'. The address bar shows the URL '127.0.0.1:8000/logout'. A green banner at the top of the page displays the message 'Logged out Successfully'. Below the banner, there is a link that says 'Click here to Login'. The browser's taskbar at the bottom shows the system clock as 1:35 AM on 12/1/2023.

Student dashboard:



Student can view available exam:



Student giving quiz:

The screenshot shows a web browser window with a single tab titled "View Paper". The address bar displays the URL "127.0.0.1:8000/student/exams". The page content is as follows:

new_quiz

Time left :1 mins 57 seconds

what is an apple

- ☐ fruit
- ☐ vegetable
- ☐ flower
- ☐ vehicle

Where is Binghamton?

- ☐ UK
- ☐ Australia
- ☐ Ireland
- ☐ USA

[Submit](#)

The Windows taskbar at the bottom shows the system clock as 1:36 AM on 12/1/2023, along with weather information (39°F Clear) and various application icons.

After giving quiz student can view the result:

The screenshot shows the same web browser window after the quiz has been submitted. The page content is as follows:

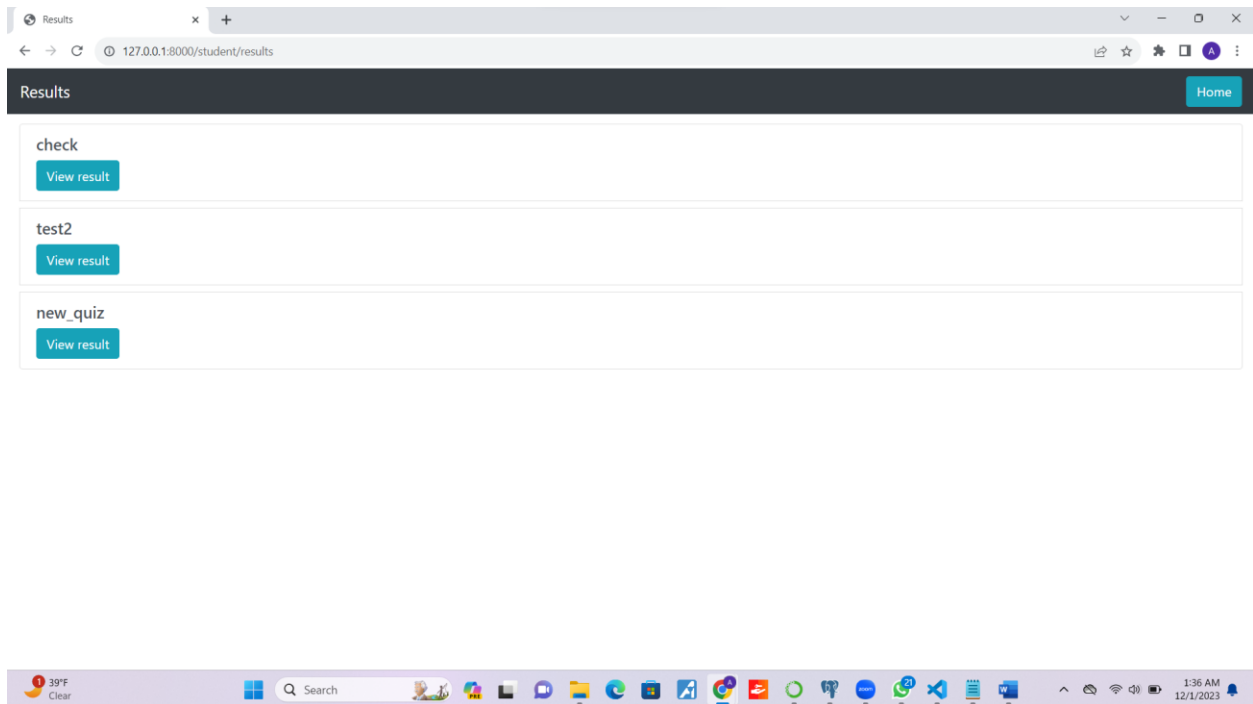
new_quiz

[Check results](#)

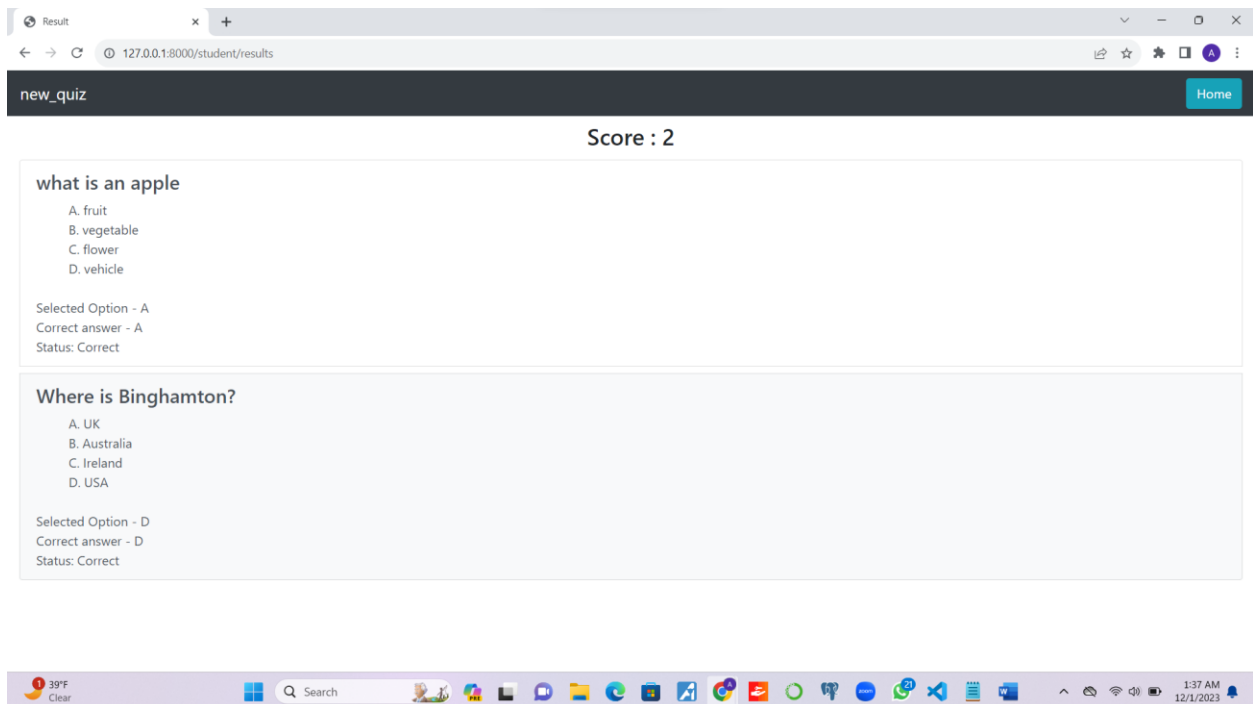
[Home](#)

The Windows taskbar at the bottom remains the same, showing the system clock as 1:36 AM on 12/1/2023.

Student can view their own result:



Student can view their score and answer they selected:



User-roles and features:

Examiner/Teacher/Professor (Admin) features:

- Quiz management: Quizzes are created and modified using a comprehensive form that includes fields for quiz name, description, time restriction, and total questions.
- The additional features are question and answer addition, removal, and modification.

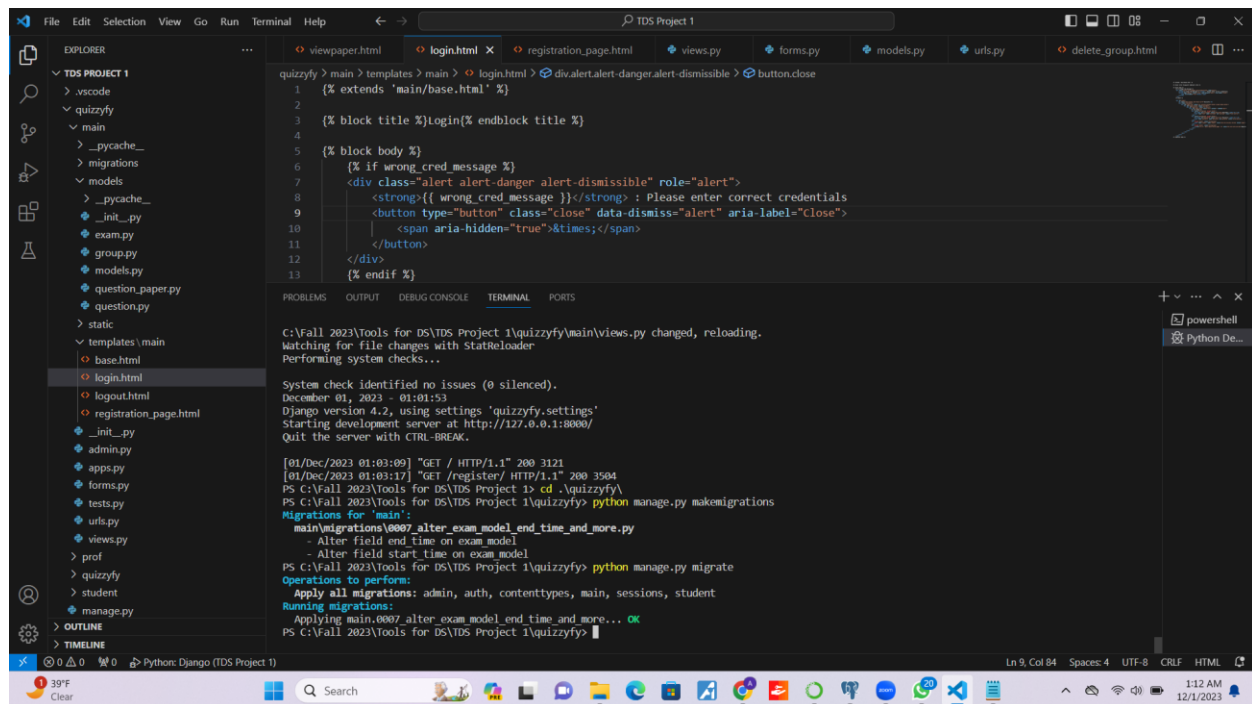
Result Analysis: The admin can access the score and the performance report of the user/examinees.

Examinee/ Student/Candidate (End-user):

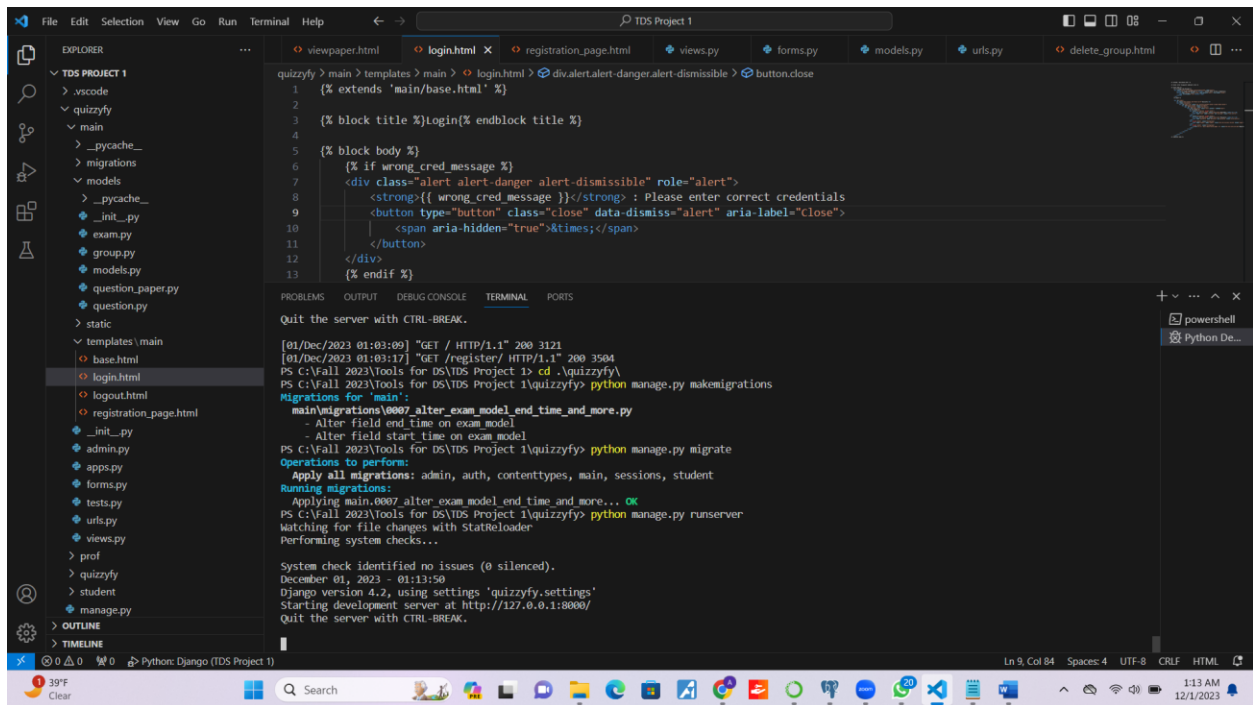
- Can select from the available quizzes.
- The quiz can be submitted automatically once the timer expires.

Score viewing: Upon the completion of the quiz, the end-user can view the scores.

Database:



```
File Edit Selection View Go Run Terminal Help
TDS Project 1
viewpaper.html login.html registration_page.html views.py forms.py models.py urls.py delete_group.html
quizzify > main > templates > main > login.html > div.alert.alert-danger.alert-dismissible > button.close
1 {% extends 'main/base.html' %}
2
3 {% block title %}Login{% endblock title %}
4
5 {% block body %}
6     {% if wrong_cred_message %}
7         <div class="alert alert-danger alert-dismissible" role="alert">
8             <strong>{{ wrong_cred_message }}</strong> : Please enter correct credentials
9             <button type="button" class="close" data-dismiss="alert" aria-label="Close">
10                 <span aria-hidden="true">&times;</span>
11             </button>
12         </div>
13     {% endif %}
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
C:\Fall 2023\Tools for DS\TDS Project 1\quizzify\main\views.py changed, reloading.
Watching for file changes with StatReloader
Performing system checks...
System check identified no issues (0 silenced).
December 01, 2023 - 01:01:53
Django version 4.2, using settings 'quizzify.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
[01/Dec/2023 01:03:09] "GET / HTTP/1.1" 200 3121
[01/Dec/2023 01:03:17] "GET /register/ HTTP/1.1" 200 3504
PS C:\Fall 2023\Tools for DS\TDS Project 1> cd .\quizzify\
PS C:\Fall 2023\Tools for DS\TDS Project 1\quizzify> python manage.py makemigrations
Migrations for 'main':
  main\migrations\0007_alter_exam_model_end_time_and_more.py
    - Alter field end time on exam model
    - Alter field start time on exam model
PS C:\Fall 2023\Tools for DS\TDS Project 1\quizzify> python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, main, sessions, student
Running migrations:
  Applying main.0007_alter_exam_model_end_time_and_more... OK
PS C:\Fall 2023\Tools for DS\TDS Project 1\quizzify>
Ln 9, Col 84 Spaces: 4 UTF-8 CRLF HTML
```



```
quizzify > main > templates > main > login.html > div.alert.alert-danger.alert-dismissible > button.close
1  {% extends 'main/base.html' %}
2
3  {% block title %}Login{% endblock title %}
4
5  {% block body %}
6      {% if wrong_cred_message %}
7          <div class="alert alert-danger alert-dismissible" role="alert">
8              <strong>{{ wrong_cred_message }}</strong> : Please enter correct credentials
9              <button type="button" class="close" data-dismiss="alert" aria-label="close">
10                  <span aria-hidden="true">&times;</span>
11              </button>
12          </div>
13      {% endif %}
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Quit the server with CTRL-BREAK.
[01/Dec/2023 01:03:09] "GET / HTTP/1.1" 200 3121
[01/Dec/2023 01:03:17] "GET /register/ HTTP/1.1" 200 3504
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  main/migrations/0007_alter_exam_model_end_time_and_more.py
    - Alter field end time on exam model
    - Alter field start time on exam model
PS C:\Fall 2023\Tools for DS\TDS Project 1> python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, main, sessions, student
Running migrations:
  Applying main.0007_alter_exam_model_end_time_and_more... OK
PS C:\Fall 2023\Tools for DS\TDS Project 1> python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
December 01, 2023 - 01:13:50
Django version 4.2, using settings 'quizzify.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

Conclusion: The Django Quiz Application is a strong and customizable solution for educational organizations. The project establishes the framework for a feature-rich application that fits the increasing demands of both examiners and examinees, driven by a dedication to user satisfaction and ongoing improvement.