

Exam simulator

User Operator Manual

V1.0.0

Exam Simulator

[Log in](#)

"Education is the great engine of personal development. It is through education that the daughter of a peasant can become a doctor, that the son of a mine worker can become the head of the mine, that a child of farm workers can become the president of a great nation. It is what we make out of what we have, not what we are given, that separates one person from another."

— Nelson Mandela

Practise on real past exam papers

Be ready, prepare now...

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Introduction

This is a user operator manual for using the exam simulator system. It introduces the functionality of the system to the user in a broad scope and can also be used for training.

The exam simulator is a basic education targeting testing engine that mimics examinations for students in order to help in preparing for the actual examinations. It consists of subjects, questions and past examination papers that students can sit for and get immediate feedback of their score.

The system functionality is categorised according to the following roles examiner, educator, student and teacher.

Functions

This is presented according to the roles specified above.

Any user has to register an account and choose the roles above and the system administrator will notify the user after the account is activated.

Examiner

The examiner can perform the following functions, define a subject, add a question and define a question paper.

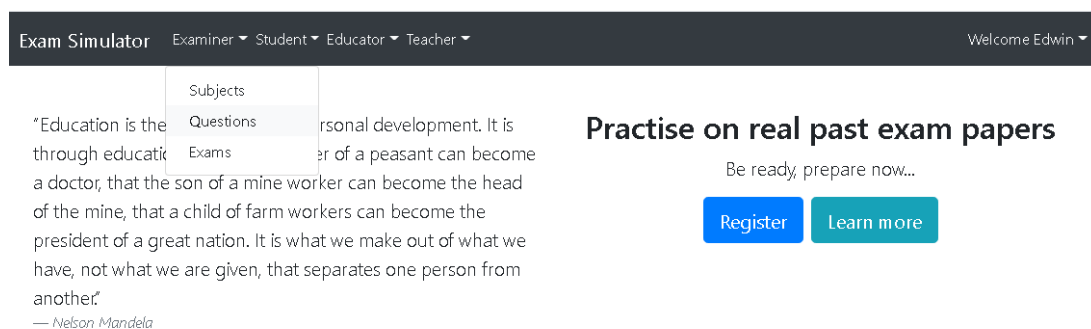
Define a Subject

Prerequisites

User needs to have an account with either an examiner or teacher role and be logged on.

Steps

1. On the menu bar, navigate to examiner and click, the select the Subjects dropdown.



2. Click on Add Subject Button.

Exam Simulator

Examiner ▾ Student ▾ Educator ▾ Teacher ▾

Welcome Edwin ▾

Subject Listing

Subject Id	Name	Options
100	Economics	<div>EditDelete</div>

Add Subject

3. On the Defining Subject Form; insert the subject id or code, subject name then click add subject button to save or cancel to clear the form.

Exam Simulator

Examiner ▾ Student ▾ Educator ▾ Teacher ▾

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Defining a Subject

Subject Id

102

Subject Name

Information Technology

Add Subject

Cancel

Done ? Return to Subject listing

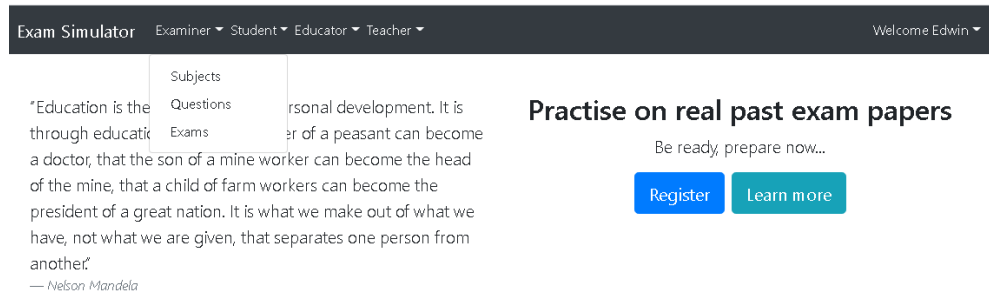
Add a Question

Prerequisites

User needs to have an account with either an examiner or teacher role and be logged on.

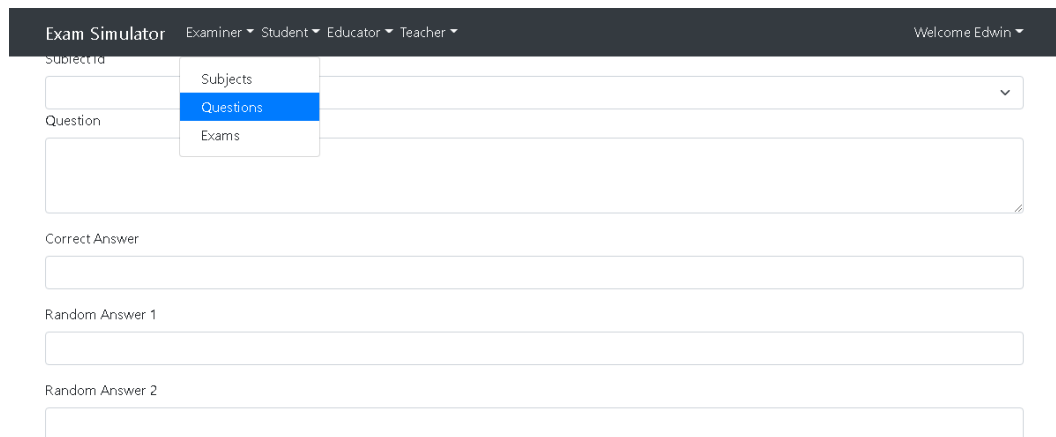
Steps

1. On the menu bar, navigate to examiner and click, then select the Subjects dropdown.



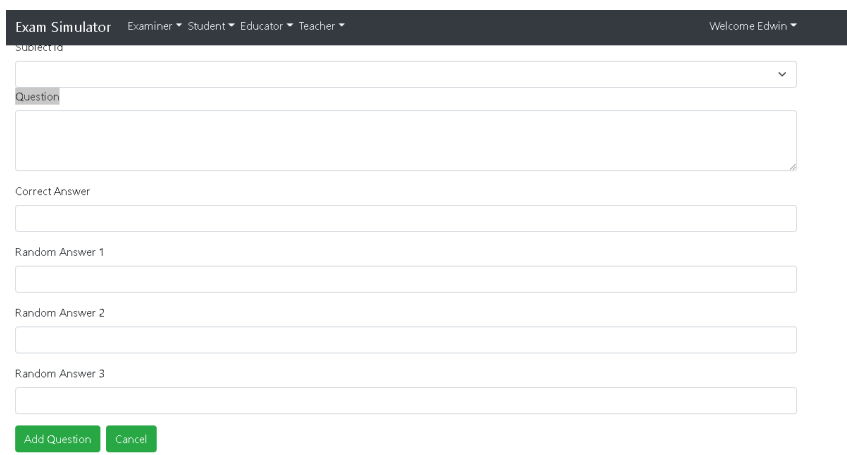
The screenshot shows the top navigation bar of the Exam Simulator. The bar is dark grey with the text "Exam Simulator" on the left and "Welcome Edwin" on the right. In the center, there are four dropdown menus: "Examiner", "Student", "Educator", and "Teacher". The "Examiner" dropdown is open, showing a list of options: "Subjects", "Questions", and "Exams". The "Subjects" option is highlighted. Below the navigation bar, there is a quote by Nelson Mandela: "Education is the most powerful weapon which you can use to change the world." To the right of the quote, there is a section titled "Practise on real past exam papers" with the text "Be ready, prepare now..." and two buttons: "Register" and "Learn more".

2. Click on Add Question button.



The screenshot shows the "Add Question" form in the Exam Simulator. The form is white with a dark grey header bar. The header bar contains the text "Exam Simulator" on the left and "Welcome Edwin" on the right. In the center, there are four dropdown menus: "Examiner", "Student", "Educator", and "Teacher". The "Examiner" dropdown is open, showing a list of options: "Subjects", "Questions", and "Exams". The "Questions" option is highlighted. Below the navigation bar, there are several input fields: "Subject", "Question", "Correct Answer", "Random Answer 1", and "Random Answer 2". The "Subject" field is a dropdown menu. The "Question" field is a text input field. The "Correct Answer" field is a text input field. The "Random Answer 1" field is a text input field. The "Random Answer 2" field is a text input field. At the bottom of the form, there is a green button labeled "Add Question" and a grey button labeled "Cancel".

3. On Adding a Question Form; select subject , and then insert the following fields; Question, Correct Answer, Random Answer 1 to 3 and click Add Question to save. Alternatively cancel to clear the form.



The screenshot shows the "Add Question" form in the Exam Simulator. The form is white with a dark grey header bar. The header bar contains the text "Exam Simulator" on the left and "Welcome Edwin" on the right. In the center, there are four dropdown menus: "Examiner", "Student", "Educator", and "Teacher". The "Examiner" dropdown is open, showing a list of options: "Subjects", "Questions", and "Exams". The "Subjects" option is highlighted. Below the navigation bar, there are several input fields: "Subject", "Question", "Correct Answer", "Random Answer 1", "Random Answer 2", and "Random Answer 3". The "Subject" field is a dropdown menu. The "Question" field is a text input field. The "Correct Answer" field is a text input field. The "Random Answer 1" field is a text input field. The "Random Answer 2" field is a text input field. The "Random Answer 3" field is a text input field. At the bottom of the form, there is a green button labeled "Add Question" and a grey button labeled "Cancel".

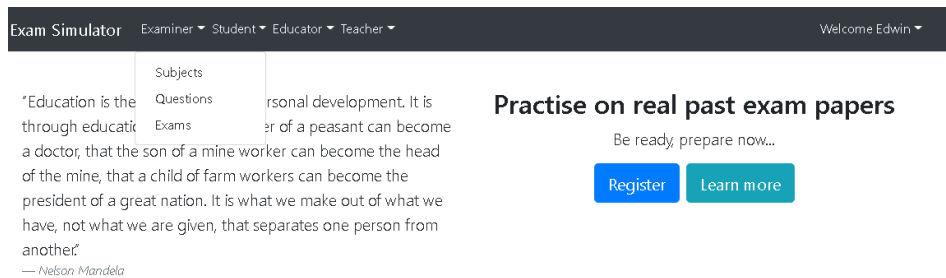
Define a Question Paper

Prerequisites

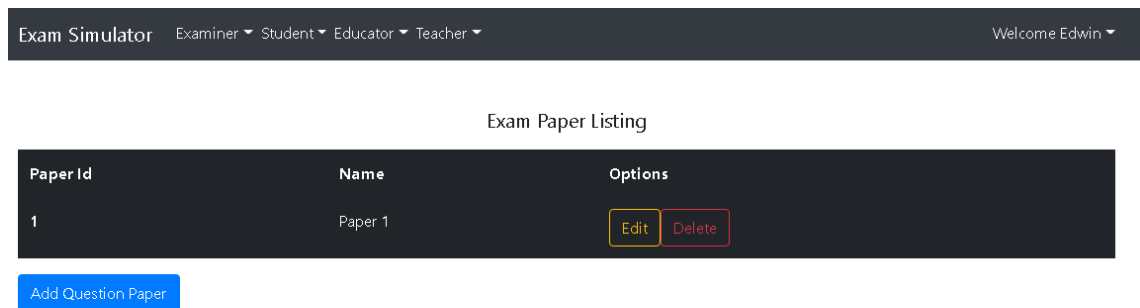
User needs to have an account with either an examiner or teacher role and be logged on.

Steps

1. On the menu bar, navigate to examiner and click examiner, and then select the Exams dropdown.



2. Click on Add Question Paper button.



3. On Adding a Question paper Form; select subject, and then insert the following fields; Name, Duration and Pass Score. Click Add Paper to save. Alternatively cancel to clear form.

Exam Simulator

Examiner ▾ Student ▾ Educator ▾ Teacher ▾

Welcome Edwin ▾

Adding a Question paper

Subject Id

Economics ▾

Name

Economics Paper 2

Duration

120

Pass Score

50

Add Paper

Cancel

Educator

The educator can evaluate a question paper and needs educator role.

Evaluate a Question Paper

Prerequisites

User needs to have an account with educator role and be logged on.

Steps

1. On the menu bar, navigate to examiner and click, and then select the Exam Papers dropdown.

Exam Simulator

Examiner ▾ Educator ▾ Teacher ▾

Welcome Edwin ▾

Exam Papers

Evaluating Exam Paper

Fetch questions

Question	Answer	Option 1	Option 2	Option 3
« Previous 1 Next »				
<div><div>Compliant</div><div>Not Compliant</div></div>				
<div>Done ? Return to Paper listing</div>				

2. On the Available Exam Paper Listing select one and click on Evaluate button.

Exam Simulator

Examiner ▾ Educator ▾ Teacher ▾

Welcome Edwin ▾

Available Exam Papers

Paper Id	Name	Compliant	Options
1	Paper 1	Yes	<div>Evaluate</div>

3. Click on Fetch Question button, then use the next and previous button to inspect questions and answer choices
4. When done click compliant if the paper complies, click not compliant button otherwise.

Exam Simulator

Examiner Educator Teacher

Welcome Edwin

Evaluating Exam Paper

Fetch questions

Question	Answer	Option 1	Option 2	Option 3
One of the member countries of the BRICS Protocol is ...	China	Japan	Italy	USA

Previous

1

2

Next

Compliant

Not Compliant

Done ? Return to Paper listing

Student

The student can Take Exam paper and needs student role.

Take Exam

Prerequisites

User needs to have an account with student role and be logged on.

Steps

1. On the menu bar, navigate to student and click, and then select the Take Exam link.

Exam Simulator

Student

Welcome Dave

Take Exam

Reports

"Education is the most powerful weapon which you can use to change the world. It is through education that the daughter of a peasant can become a doctor; that the son of a mine worker can become the head of the mine, that a child of farm workers can become the president of a great nation. It is what we make out of what we have, not what we are given, that separates one person from another."

— Nelson Mandela

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2. From available exams listing select one and click Take Paper button.

Exam Simulator

Student

Welcome Dave

Available Exam Papers

Name	Subject	Pass Mark	Duration	Options
Paper 1	Paper 1	50	120	<div>Take Paper</div>

3. An examination paper is displayed with time, start button, end exam button and next and previous button, a clickable box is available next to every answer option; it can be ticked to choose is as answer.

Exam Simulator

Student ▾

localhost4200 says
Answer saved

Welcome Dave ▾

01:59:31

Start

Question	A	B	C	D
One of the member countries of the BRICS Protocol is ...	China <input checked="" type="checkbox"/>	Japan <input type="checkbox"/>	Italy <input type="checkbox"/>	USA <input type="checkbox"/>

« Previous 1 2 Next »

End exam

Done ? Return to Paper listing

4. When done user clicks end exam and a performance report is displayed.

Exam Simulator

Student ▾

localhost4200 says
You have completed the paper. Your Score: 1 of possible: 2

Welcome Dave ▾

01:59:04

Start

Question	A	B	C	D
One of the member countries of the BRICS Protocol is ...	China <input type="checkbox"/>	Japan <input type="checkbox"/>	Italy <input type="checkbox"/>	USA <input type="checkbox"/>

« Previous 1 2 Next »

End exam

Done ? Return to Paper listing

Teacher

The teacher can Print Performance Report for every exam paper taken by student and needs teacher role.

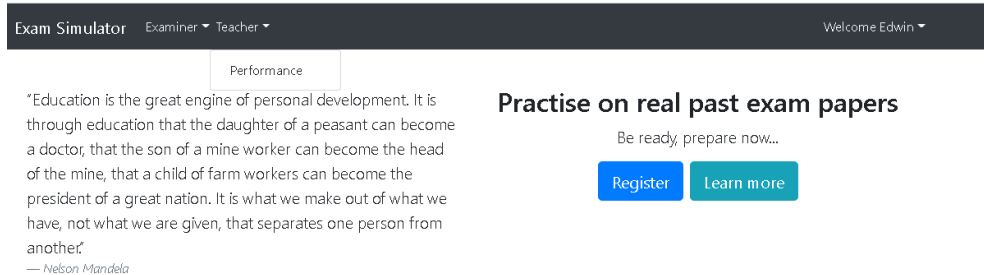
Print Performance Report

Prerequisites

User needs to have an account with teacher role and be logged on.

Steps

1. On the menu bar, navigate to Teacher and click, and then select the Performance link.



The screenshot shows the top navigation bar of the Exam Simulator. The 'Teacher' dropdown menu is open, and the 'Performance' option is highlighted. The main content area displays a quote by Nelson Mandela and a section titled 'Practise on real past exam papers' with 'Register' and 'Learn more' buttons.

Exam Simulator Examiner ▾ Teacher ▾ Welcome Edwin ▾

Performance

"Education is the great engine of personal development. It is through education that the daughter of a peasant can become a doctor, that the son of a mine worker can become the head of the mine, that a child of farm workers can become the president of a great nation. It is what we make out of what we have, not what we are given, that separates one person from another."
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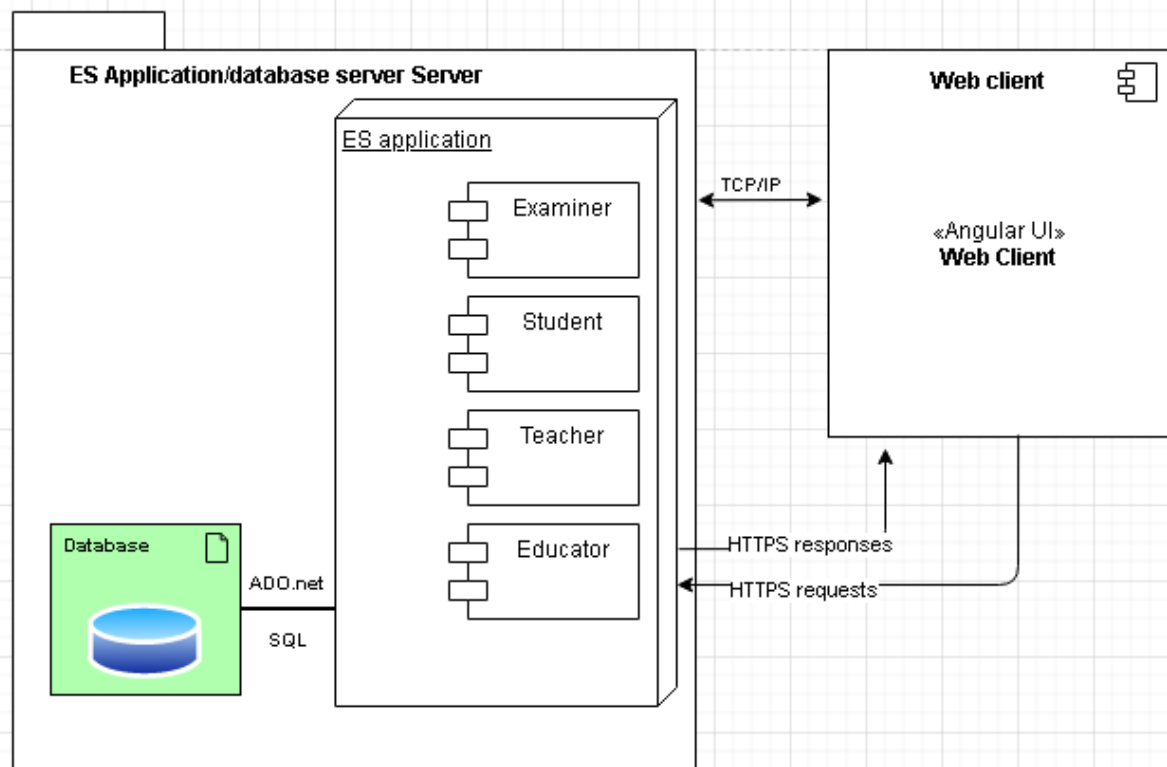
Performance Report

Exam Code	Student	Possible Score	Score Obtained
1	dave	2	1

[Navigate to Examination Paper listing](#)

System Deployment

The system is available online and any smart device can be used to access the system, including smart phones. Any latest browser can be used to access and interact with the exam simulator.



Deployment diagram of the system