

Online Test Application: Project 2

The Online Test Application system creates an application that enables users to provide online tests, review them, and display the results.

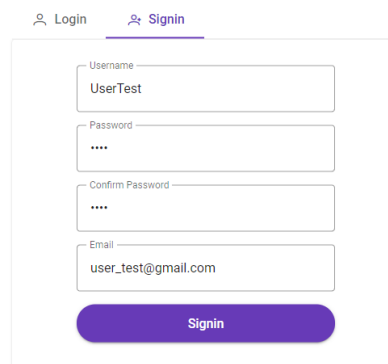
System Details

This system contains three main modules: Quiz, Review, and Result. The quiz section of the online test application accepts the questions in JSON format. The JSON file can be easily shared from the server in the pre-defined format. The application renders the test at the client-side.

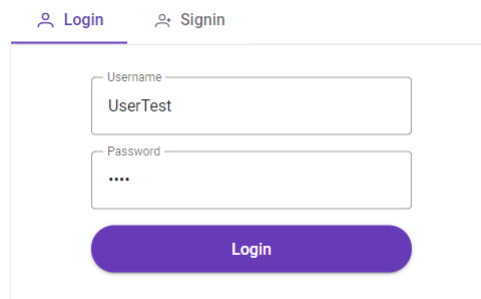
The “Review and display result” section allows users to declare the results immediately. You can simply call another JSON with the answers in it and evaluate and display the results immediately.

Developed application

The first screen of the application allows you to register a user or log in.



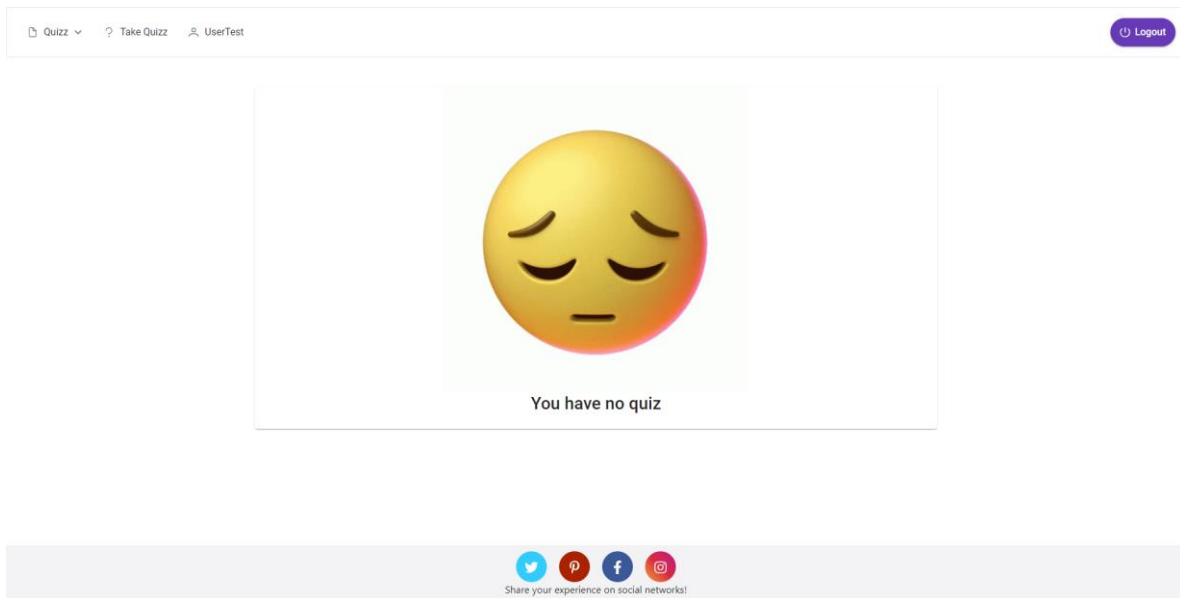
The image shows a web form for signing in. At the top, there are two links: "Login" and "Signin", with "Signin" being the active link. The form contains four input fields: "Username" with the value "UserTest", "Password" with masked characters "****", "Confirm Password" with masked characters "****", and "Email" with the value "user_test@gmail.com". Below the input fields is a purple button labeled "Signin".



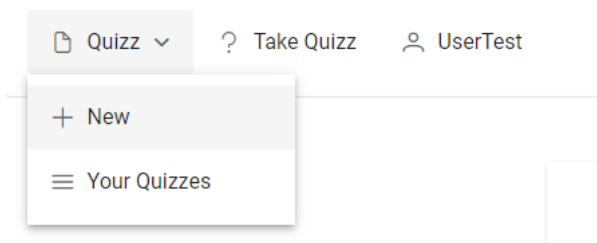
The image shows a web form for logging in. At the top, there are two links: "Login" and "Signin", with "Login" being the active link. The form contains two input fields: "Username" with the value "UserTest" and "Password" with masked characters "****". Below the input fields is a purple button labeled "Login".

When entering the application, the component that shows all the quizzes registered by the user is loaded by default.

If the user does not have registered questionnaires, the following message is displayed on the screen.



In the navigation bar you have the option to add a new quiz, view your quizzes or take quizzes for other users.

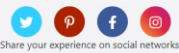


By selecting the **New** option, the user is redirected to another screen with the option to select a JSON file with the quiz information or to capture the information from the UI.

Upload a quiz +

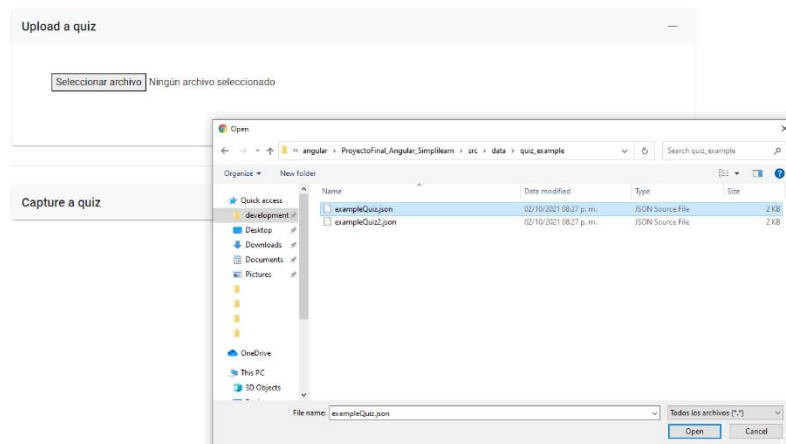
OR

Capture a quiz +



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If **Upload a quiz** is selected, the user is allowed to select a JSON file with the information from a quiz.



Share your experience on social networks!

The information of the selected file is displayed to the user, and the **Save Quiz** button is presented to save the quiz.

Upload a quiz

Seleccionar archivo

exampleQuiz.json

```
{
  "title": "General Knowledge 1",
  "category": "Miscellaneous",
  "difficulty": "Easy",
  "creationDate": "2021-04-04T23:05:28.789Z",
  "elements": [
    {
      "quizNumber": 1,
      "question": "What caused the Titanic to sink?",
      "option1": "A collision with massive iceberg",
      "option2": "Hit by a torpedo from a warship",
      "option3": "Malfunctioning engines exploded",
      "answer": "1"
    },
    {
      "quizNumber": 2,
      "question": "Who is Stefani Joanne Angelina Germanotta?",
      "option1": "Alma Lynn Cook",
      "option2": "Lady Gaga",
      "option3": "Priscilla Ahn",
      "answer": "2"
    },
    {
      "quizNumber": 3,
      "question": "Who said: One small step for man, one giant leap for mankind?",
      "option1": "Neil Armstrong",
      "option2": "John Lennon",
      "option3": "Buzz Lightyear",
      "answer": "1"
    },
    {
      "quizNumber": 4,
      "question": "What is a Blue Moon?",
      "option1": "An extra full moon that appears in a 12 moon cycle",
      "option2": "A planet that has become lifeless",
      "option3": "A breakfast cereal",
      "answer": "1"
    }
  ]
}
```

Save Quiz

OR

Capture a quiz

+



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The other way to register a questionnaire is to register your data in a form.

Upload a quiz

+

OR

Capture a quiz

—

Title

Category

Difficulty

* Please enter at least one question

Questions

+ New

#	Question	Option 1	Option 2	Option 3	Answer
---	----------	----------	----------	----------	--------

Save Quiz



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And to add the questions of the questionnaire a modal window with a form is shown.

The screenshot shows the 'Question Details' modal window. It has a title bar with a close button (X). The form contains a 'Question' text area, an 'Options' text area, and a section for the correct answer with a radio button and a text input. At the bottom are 'Cancel' and 'Save' buttons. The background shows the 'Capture a quiz' form with fields for Title, Category, and Difficulty, and a table of questions.

Question Details

Question

Options

*Check one as the correct answer

Cancel Save

Since the user has captured all the questions for their quiz, they just need to click on the **Save Quiz** button and the quiz is saved.

The screenshot shows the 'Capture a quiz' form. It has fields for Title, Category, and Difficulty. Below these is a table of questions. At the bottom is a 'Save Quiz' button. The background shows the 'Upload a quiz' button and the 'Logout' button.

Upload a quiz

OR

Capture a quiz

Title: General Knowledge 2

Category: Miscellaneous

Difficulty: Low

Questions

+ New

#	Question	Option 1	Option 2	Option 3	Answer	
1	Where is Crete?	In the Mediterranean Sea	In the Black Sea	In the Caribbean Sea	1	
2	The symbol for infinity looks like what number on its side?	3	8	9	2	
3	Which scientist is well known for his theory of relativity?	Alfred Nobel	Albert Einstein	John Lennon	2	
4	What does the CIA stand for?	Criminal Investigation Association	Crime In Action	Central Intelligence Agency	3	

Save Quiz

Logout

[Quiz](#)
[Take Quiz](#)
[UserTest](#)

[Logout](#)

Your Quizzes

Title	Category	Difficulty	Creation Date	Average Rating	
General Knowledge 1	Miscellaneous	Easy	Oct 2, 2021	☆☆☆☆☆	Feedback
General Knowledge 2	Miscellaneous	Low	Oct 2, 2021	☆☆☆☆☆	Feedback
Math Knowledge 3	Mathematics	Medium	Oct 2, 2021	☆☆☆☆☆	Feedback
					Delete

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[Quiz](#)
[Take Quiz](#)
[UserTest](#)

Logout

Your Quizzes

Title	Category	Difficulty	Creation Date	Average Rating	
General Knowledge 1	Miscellaneous	Easy	Oct 2, 2021	☆☆☆☆☆	Feedback
General Knowledge 2	Miscellaneous	Low	Oct 2, 2021	☆☆☆☆☆	Feedback
Math Knowledge 3	Mathematics	Medium	Oct 2, 2021	☆☆☆☆☆	Feedback
					Delete

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When you delete a record, a confirmation is displayed to notify that the quiz has been deleted.

Quizz ? Take Quizz UserTest

Confirmed
Quiz deleted

Your Quizzes

Title	Category	Difficulty	Creation Date	Average Rating	
General Knowledge 1	Miscellaneous	Easy	Oct 2, 2021	☆☆☆☆	Feedback
General Knowledge 2	Miscellaneous	Low	Oct 2, 2021	☆☆☆☆	Feedback






Share your experience on social networks!

A user cannot take his own quiz. So we logged in as another user to view the quizzes of all users except the one who logged in.

Quizz ? Take Quizz SeleneEG Logout

All Quizzes

Author	Title	Category	Difficulty	Creation Date	# Questions	
UserTest	General Knowledge 1	Miscellaneous	Easy	Oct 2, 2021	4	▶
UserTest	General Knowledge 2	Miscellaneous	Low	Oct 2, 2021	4	▶


Share your experience on social networks!

When the user chooses to solve a quiz, a screen is displayed with all the questions in the quiz and a **Send Quiz** button that is not enabled until the user has answered all the questions.

Quizz

Take Quizz

SeleneEG

Logout

General Knowledge 1

Question 1

What caused the Titanic to sink?

☒ A collision with massive iceberg

☐ Hit by a torpedo from a warship

☐ Malfunctioning engines exploded

Question 2

Who is Stefani Joanne Angelina Germanotta?

☐ Alma Lynn Cook

☐ Lady Gaga

☒ Priscilla Ahn

Question 3

Who said: One small step for man, one giant leap for mankind?

☒ Neil Armstrong

☐ John Lennon

☐ Buzz Lightyear

Question 4

What is a Blue Moon?

☐ An extra full moon that appears in a 12 moon cycle

☐ A planet that has become lifeless

☒ A breakfast cereal

Send Quiz!

Share your experience on social networks!

Clicking on **Send Quiz** shows the questions that were answered correctly as well as those that had an incorrect answer, and a button is displayed so that the user can leave their feedback.

Quizz

Take Quizz

SeleneEG

Logout

General Knowledge 1 (2 / 4)

Question 1

What caused the Titanic to sink?

☒ A collision with massive iceberg

☐ Hit by a torpedo from a warship

☐ Malfunctioning engines exploded

Question 2

Who is Stefani Joanne Angelina Germanotta?

☐ Alma Lynn Cook

☒ Lady Gaga

☐ Priscilla Ahn

Question 3

Who said: One small step for man, one giant leap for mankind?

☒ Neil Armstrong

☐ John Lennon

☐ Buzz Lightyear

Question 4

What is a Blue Moon?

☐ An extra full moon that appears in a 12 moon cycle

☐ A planet that has become lifeless

☒ A breakfast cereal

Review Quiz!

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A form is displayed to leave the score and the user's review on the quiz.

Quizz ▾ ? Take Quizz 👤 SeleneEG

Logout

Review Quiz

rating: ★★★★★ ☆

Review:

Cool quiz!

Send Review!

Twitter

Pinterest

Facebook

Instagram

Share your experience on social networks!

When the user who owns the quiz wants to see the feedback they have received, they select the **Feedback** button.

If the selected quiz does not have feedback, an error message is displayed, otherwise all the feedback received from the quiz will be shown (all feedbacks are anonymous).

Quizz ▾ ? Take Quizz 👤 UserTest

No Feedback
The quiz has no reviews

Your Quizzes

Title	Category	Difficulty	Creation Date	Average Rating	
General Knowledge 1	Miscellaneous	Easy	Oct 2, 2021	★★★★★ ☆	Feedback ▾
General Knowledge 2	Miscellaneous	Low	Oct 2, 2021	☆☆☆☆☆ ☆	Feedback ▾

Twitter

Pinterest

Facebook

Instagram

Share your experience on social networks!

Your Feedback

Date	Rating	Review
Oct 2, 2021	★★★★☆	Cool quiz!



Share your experience on social networks!