

PDP Project 2

Quiz App

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Problem Statement

We always want ourselves to do well when it comes to academics. We want our loved ones to score well and be the best version of themselves, when it comes to education and knowledge. Therefore, we introduce QUIZZA, which is a testing platform, where one can take tests and test their knowledge. All the tests available out there in market are either outdated or very expensive to buy. On the platform, users can take tests on various topics and can see results of the tests taken by them so far.

Business Requirements

Color Scheme: Nouns Verbs

- A website which takes inspirations from school examinations, wherein people can take quizzes and test their knowledge.
- The website should have navigation bar, which contains various options at the top such as home, login, quizzes and dashboard.
- All users are allowed to access all the options.
- A website where users can select the topic of their quiz and test themselves.
- For users to take quiz, users need to log in. If not, then can sign up for free.
- After login, they will be presented home page and various topics to choose from for the quiz.
- Home page should mention about the company and benefits of the quizzes.
- User will be presented with certain number of questions.
- Users should be shown quiz results and also the answers to the questions, which were answers incorrectly.
- User can go to dashboard from results page.
- In dashboard, users will be presented with all the quizzes taken by them so far and their scores.
- The data should be stored on client-side and not on backend.
- Users should be allowed to take same test multiple times and only show results of the latest test result.
- **Target Audience:** Anyone who wants to test their knowledge and learn.
- **Target Age Group:** Age 6 and above
- Details asked during registration:
 - Profile Picture
 - Email
 - Phone Number
 - Unique Username
 - Password
 - Name
 - Security Questions (Entered by user)

Nouns and Verbs

Nouns

- Navigation Bar
- Home
- Quizzes
- Dashboard
- Users
- Result
- Questions

Verbs

- Select
- Log In
- Sign Up
- Choose
- Take test
- Go to dashboard

Use Cases

1. User can login to the website

- User - Any user of the app.
- Overview - User can login using their username and password.
- Basic Flow - User successfully logs in and can use the app.
- Alternative Flow 1 - User is not registered and they need to sign up if want to book tickets or register.
- Alternative Flow 2 - User forget their username or password and they can retrieve their login details.

2. User Creates account

- User - Unregistered user of the app
- Action - User can click on the create account button to register at the QUIZZA website. The user needs to provide details such as full name, username, password, security questions, email, profile picture, phone number. Once user makes an account, they can take quizzes.

3. User clicks on forgot password

- User - Registered User of the app.
- Action - The user will be taken to the page, wherein they can generate a temporary password link over email by answering correctly to the security questions provided by them during time of account creation.

4. User can scroll the home page

- User - Any user of the app
- Action - Users when they launch the website they can see the home page, which contains details about the website and what features are offered and about the company.

5. User can click on quizzes tab

- User - Registered user of the app
- Action - In the navigation bar, user have the option to click on quizzes, which will let them select age group and categories will be shown depending upon age group.

6. User can take quiz

- User - Registered user of the app
- Action - After user select the topic, they can take the topic and get results

7. User get results

- User - Registered user of the app
- Action- After user complete the quiz, they get their test result, which shows how many questions they got right and wrong.

8. User can go to dashboard from results page

- User - Registered user of the app
- Action- After user complete the quiz, they get their test result, then can click on the go to dashboard button.

9. User can see answers to incorrectly answered questions

- User - Registered user of the app
- Action - After users get their quiz result, they can view answers to the incorrectly answered questions

10. User can click on dashboard

- User - Registered user of the app
- Action - These users have access to the dashboard.

11. User can view results on dashboard

- User - Registered user of the app
- Action - Users can see results of all the quizzes taken and results on dashboard.

Interface Mockups

Home Page

QUIZZA

Quizzes

Dashboard



Username

Cover image of
Company & description

The beautiful thing about learning is
nobody can take it from you.

Quizzes Page

QUIZZA

Quizzes

Dashboard



Username

Please choose a quiz category

Econometrics

Computer
Architecture

Algorithms

Intro C++

Take Quiz

Quizzes Page

QUIZZA

Quizzes

Dashboard



Username

Question 1

The part of economics concerned with single factors and effects of individual decisions is called as

Microeconomics

Macroeconomics

Econometrics

Microecosystem

Next →

Quizzes Page

QUIZZA

Quizzes Dashboard

Ⓐ Username

Here are your test results

Total Score: 2/5

Date of Quiz: 04/09/2022

Performance: Poor

Please refer the answer Key below

Question	Correct Answer	User Answer
1	B	B
2	B	D
3	A	B
4	B	C
5	C	C

Dashboard Page

QUIZZA

Quizzes

Dashboard

Ⓐ Username

Following are quizzes taken so far

General Knowledge

Quiz Taken On: 4/16/2022

Question	Correct Answer	User Answer
1	B	B
2	B	D
3	A	B
4	B	C
5	C	C

2/5

UML Diagram

