

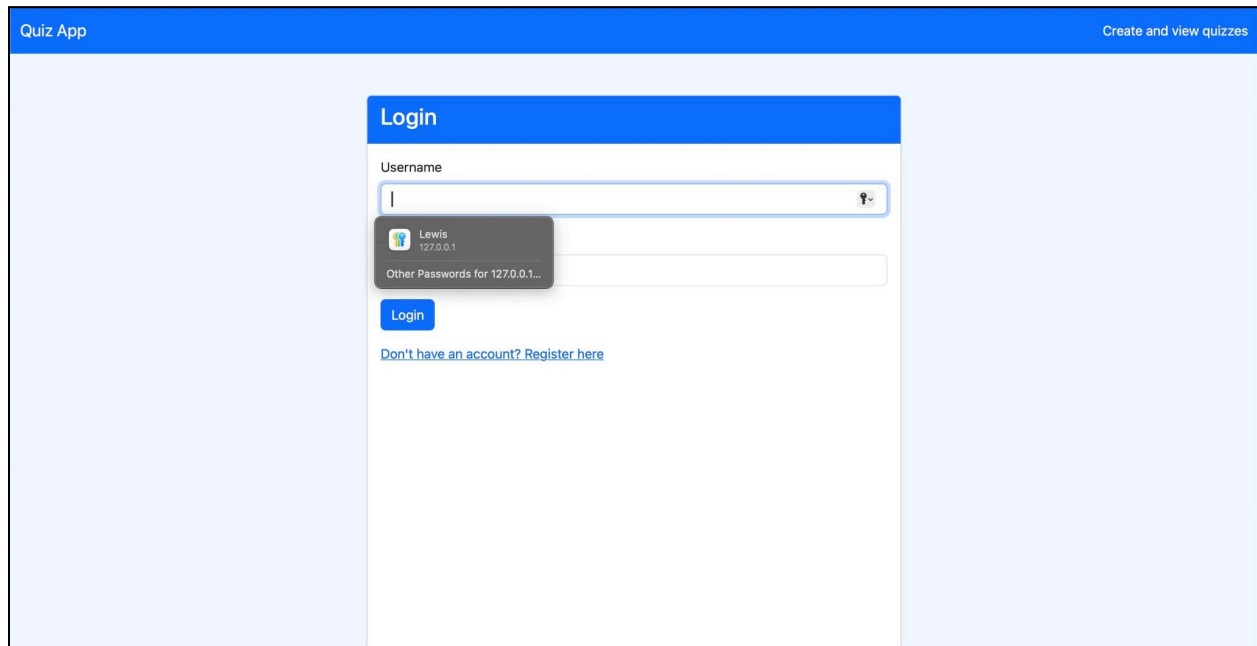
# CS - 218 Topics in Cloud Computing

## Homework 2

### Quiz App UI Walkthrough

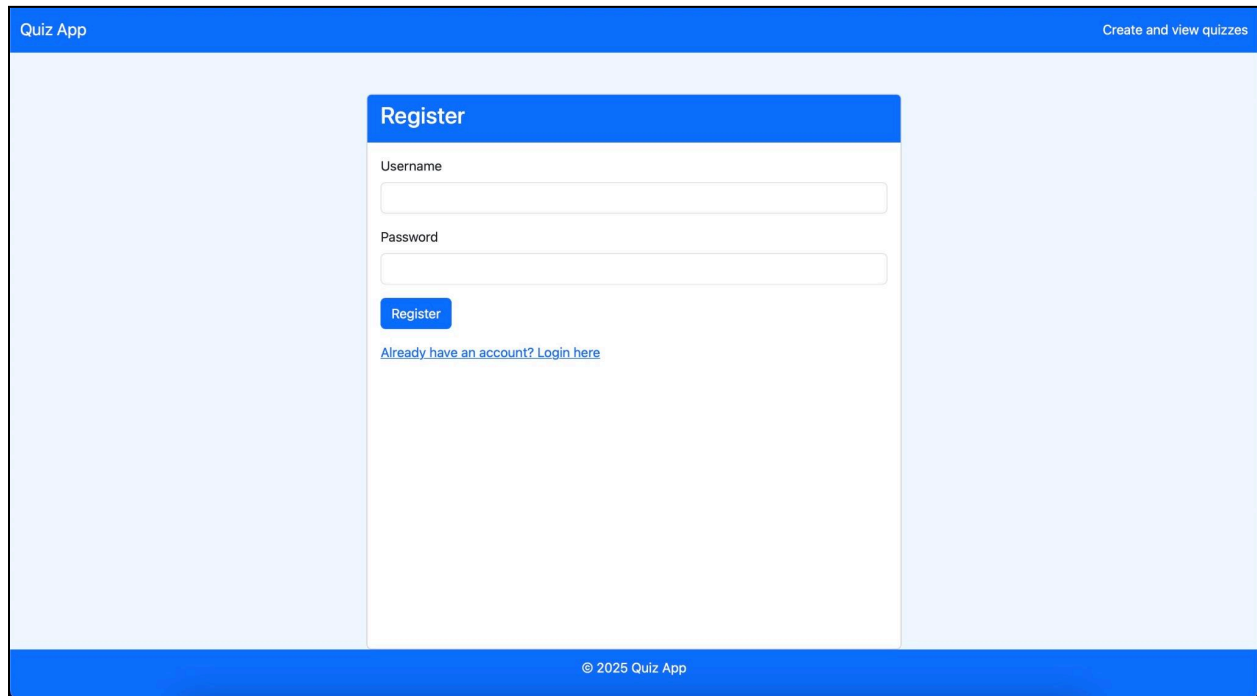
Shubhankar Munshi

#### 1. Login Page



The app starts with the Login page, allowing users to login and manage their quizzes. Users will be asked to enter their password for secure authentication.

## 2. Registration Page



The image shows a registration page for a 'Quiz App'. The page has a blue header with 'Quiz App' on the left and 'Create and view quizzes' on the right. The main content area is light blue. In the center, there is a white registration form with a blue header labeled 'Register'. The form contains two input fields: 'Username' and 'Password'. Below the 'Password' field is a blue 'Register' button. Underneath the button is a link that says 'Already have an account? Login here'. At the bottom of the page, there is a blue footer with the text '© 2025 Quiz App'.

Quiz App

Create and view quizzes

**Register**

Username

Password

Register

[Already have an account? Login here](#)

© 2025 Quiz App

If a new user is using the app for the first time, an account would have to be created for the Quiz app. The user will be asked to choose a username and create a secure password for their account.

Their username and password will be securely stored and the ability to use their device's password manager for autofill is also provided, as shown in the previous image.

### 3. Create Quiz Page

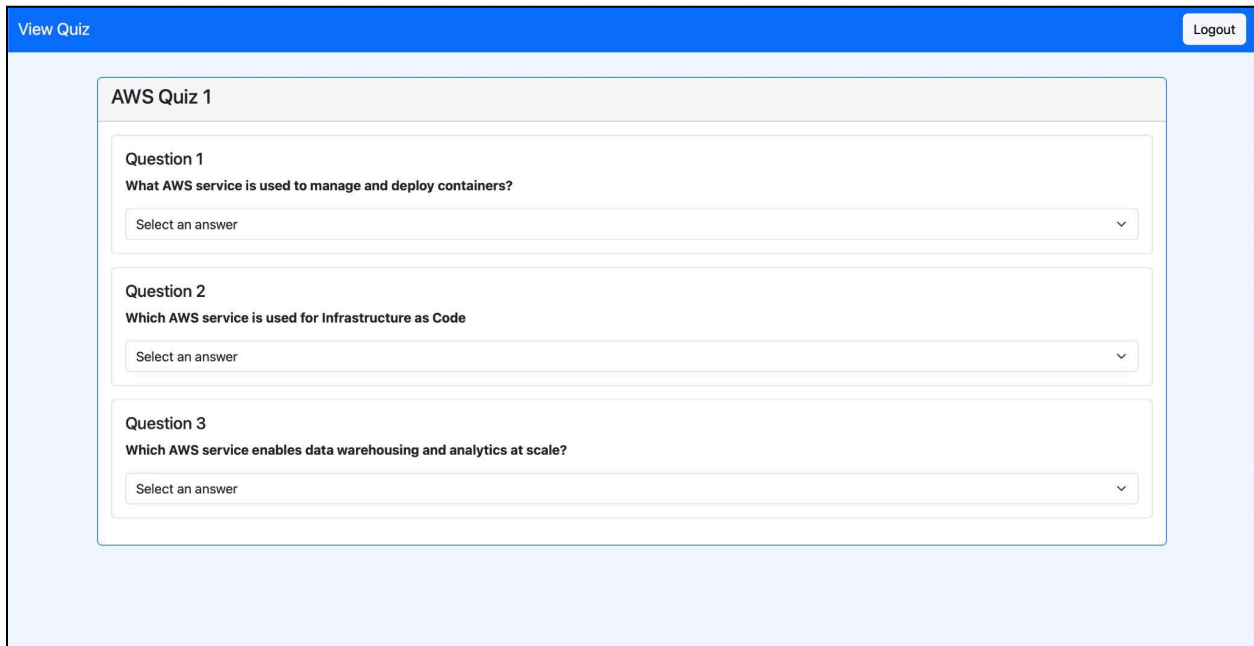
The screenshot displays a web interface for creating a quiz. At the top, a blue header bar contains the text "Create Quiz" on the left and "Up to 20 questions" on the right. A "Logout" button is located in the top right corner of the main content area. The main form is titled "Create a New Quiz" and includes the following fields:

- Quiz Title:** A text input field containing "AWS Quiz 1".
- Questions (1 to 20):** A section containing a list of questions and options.
  - Question Text:** A text input field containing "What AWS service is used to manage and deploy containers?". A red "X" icon is visible in the top right corner of this field.
  - Option 1:** A text input field containing "Amazon EKS".
  - Option 2:** A text input field containing "Amazon EC2".
  - Option 3:** A text input field containing "Amazon RDS".
  - Option 4:** A text input field containing "Amazon VPC".
  - Correct Answer (1-4):** A dropdown menu with "1" selected.

This page will allow the users to design and create their quiz. The users will be able to give their quiz a title, and will be able to add a total of 20 questions.

Each question will have 4 options and below that, is where the ability to select the correct option is given. This will lock the correct answers for each question.

## 4. View Quiz Page



The screenshot shows a web interface titled "View Quiz" with a "Logout" button in the top right corner. The main content area is titled "AWS Quiz 1" and contains three questions, each with a dropdown menu for the answer.

**AWS Quiz 1**

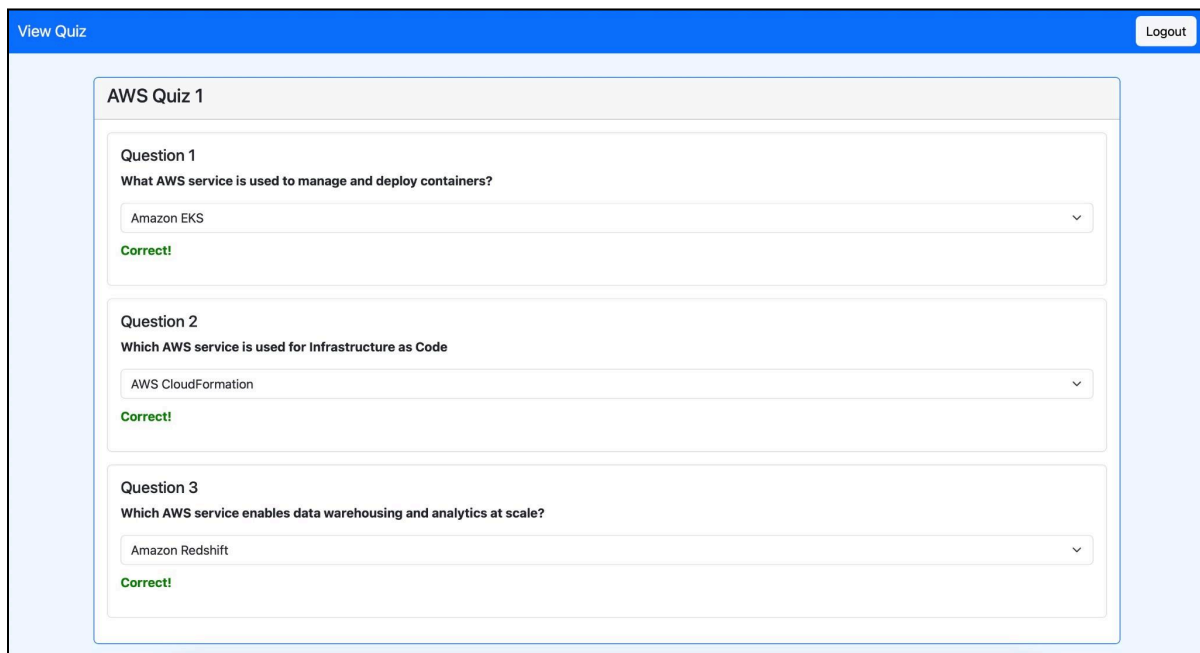
**Question 1**  
What AWS service is used to manage and deploy containers?  
Select an answer

**Question 2**  
Which AWS service is used for Infrastructure as Code  
Select an answer

**Question 3**  
Which AWS service enables data warehousing and analytics at scale?  
Select an answer

Here, the users will be able to see the quiz which they have created, with it being exactly as how they wanted the quiz to look and function like.

## 5. Displaying Correct Answers



The screenshot shows the same "View Quiz" interface as before, but now the questions are answered and marked as correct.

**AWS Quiz 1**

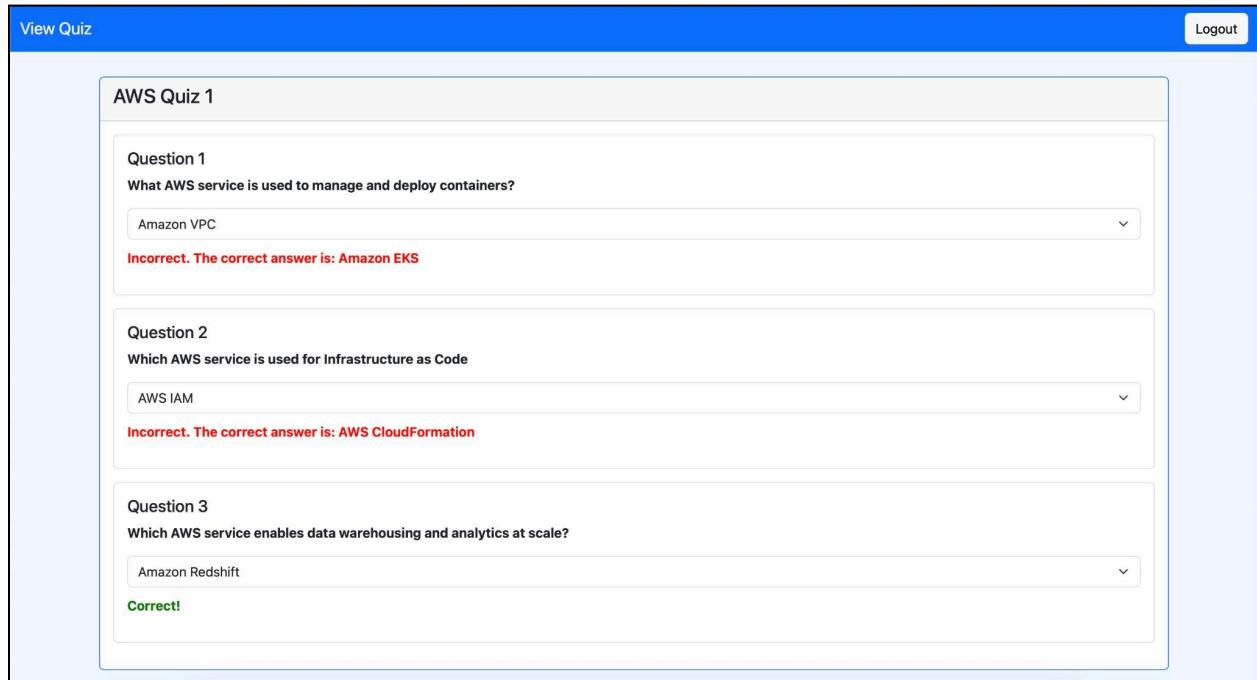
**Question 1**  
What AWS service is used to manage and deploy containers?  
Amazon EKS  
**Correct!**

**Question 2**  
Which AWS service is used for Infrastructure as Code  
AWS CloudFormation  
**Correct!**

**Question 3**  
Which AWS service enables data warehousing and analytics at scale?  
Amazon Redshift  
**Correct!**

Here, if the correct option is chosen, the user giving the quiz will be able to see whether they have selected the correct answer or not.

## 6. Displaying Incorrect Answers



The screenshot displays a web application titled "View Quiz" with a "Logout" button in the top right corner. The main content area is titled "AWS Quiz 1" and contains three questions, each with a dropdown menu for the answer and a feedback message below it.

**Question 1**  
What AWS service is used to manage and deploy containers?  
Amazon VPC  
**Incorrect. The correct answer is: Amazon EKS**

**Question 2**  
Which AWS service is used for Infrastructure as Code  
AWS IAM  
**Incorrect. The correct answer is: AWS CloudFormation**

**Question 3**  
Which AWS service enables data warehousing and analytics at scale?  
Amazon Redshift  
**Correct!**

If the user who's giving the quiz chooses the wrong answer, it will be shown. The correct answer will be displayed in the same line.