# **Test Case**

**Test Case Title: Registration Test**

Black box testing is a software testing technique that focuses on the functionality of an application without peering into its internal structures or workings. This type of testing is often used to validate the behavior of the application and verify that it meets the specified requirements.

**Preconditions:**

The user has not registered yet.

Test Steps:

Open the BackOffice system in a web browser.

Navigate to the registration page.

Enter a valid email address and password.

Submit the registration form.

Check the email address for the verification link.

Open the verification link in the email.

Log in to the BackOffice system using the registered email and password.

**Expected Results:**

The registration page is displayed.

The user's email and password are saved in the database.

A verification email is sent to the user's email address.

The user's email is verified.

The user can log in to their account using the registered email and password.

**Test Case Title: Login Test**

**Preconditions:**

The user has registered and verified their email.

Test Steps:

Open the BackOffice system in a web browser.

Navigate to the login page.

Enter the registered email and password.

Submit the login form.

**Expected Results:**

The user is logged in to their account.

The mock test page is displayed.

The password is hashed before being stored in the database.

The user's session is secured.

**Test Case Title: Subject Selection Test**

**Preconditions:**

The user has logged in to the BackOffice system.

Test Steps:

Open the BackOffice system in a web browser.

Navigate to the mock test page.

Select a subject from the list of available subjects.

Submit the subject selection form.

**Expected Results:**

The selected subject is saved and displayed on the mock test page.

The questions for the selected subject are displayed on the mock test page.

The user can start the mock test for the selected subject.

**Test Case Title: Answer Saving Test**

**Preconditions:**

The user has logged in to the BackOffice system and selected a subject for the mock test.

Test Steps:

Open the BackOffice system in a web browser.

Navigate to the mock test page.

Answer the questions one by one.

Save the answers after each question.

**Expected Results:**

The answers are saved along with the corresponding question.

The user can see their saved answers on the mock test page.

The saved answers are stored in the database.

The user can continue the mock test and update their saved answers if needed.

**Test Case Title: Answer Checking Test**

**Preconditions**:

The user has completed the mock test and saved their answers.

Test Steps:

Open the BackOffice system in a web browser.

Navigate to the mock test page.

Submit the completed mock test.

View the results of the mock test.

**Expected Results:**

The answer checking system is automatically triggered.

The answers are compared with the correct answers for each question.

The results of the mock test are displayed, indicating the number of correct and incorrect answers.

The results are stored in the database for future reference.

**Test Case Title: Profile Update Test**

**Preconditions:**

The user has logged in to the BackOffice system.

Test Steps:

Open the BackOffice system in a web browser.

Navigate to the profile update page.

Update one or more fields in the profile information.

Submit the updated profile information.

**Expected Results:**

The updated profile information is saved and displayed on the profile update page.

The updated profile information is stored in the database.

The updated profile information is displayed on the user's dashboard.

The user can update their profile information again if needed.

**Test Case Title: Logout Test**

**Preconditions:**

The user has logged in to the BackOffice system.

Test Steps:

Open the BackOffice system in a web browser.

Navigate to the logout page.

Click the logout button.

**Expected Results:**

The user is logged out of the BackOffice system.

The user is redirected to the login page.

The user session data is destroyed.

The user must log in again to access the BackOffice system.