# Test strategies

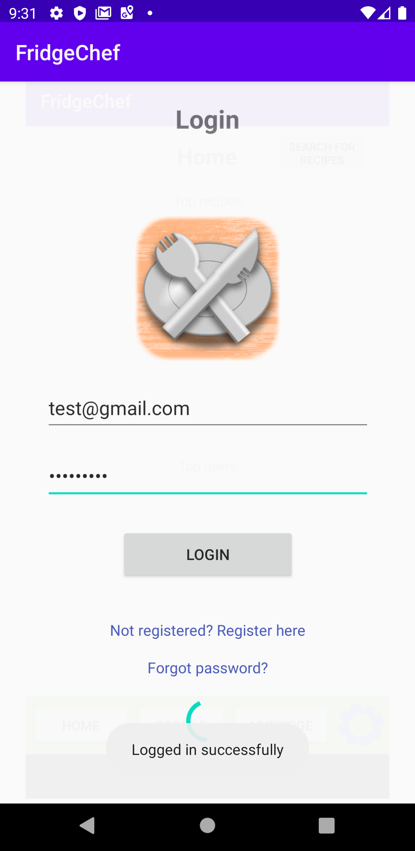
For testing our software, we are using unit testing to test each individual page (unit) of the application. We will also use a dynamic testing approach with test data that represents a subset of all possible test cases as opposed to using an exhaustive testing approach. The type of test data we will use will be imaginary but realistic to represent the possible data the user can input to the application.

# Login Testing

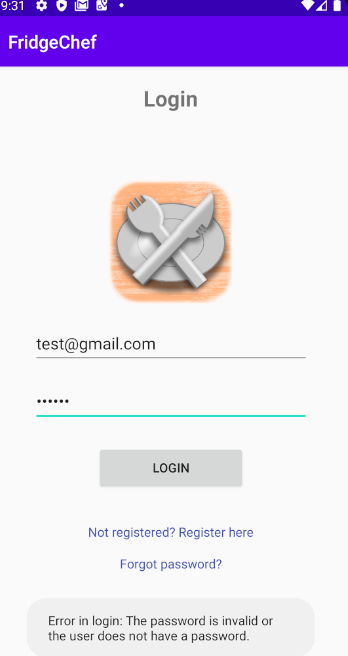
# Testing – Post-Testing

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test No. | What is being tested? | Test Data | Testing Strategy (Good, Bad, Boundary) | Expected result | Actual result | Actions needed |
| 1 | User can login with valid login credentials | Email: test@gmail  Pass: qwerty123 | Good | User logs in successfully | User logs in successfully | None |
| 2 | Try to login with an invalid password | Email: test@gmail  Pass: qwerty | Bad | User fails to login – appropriate error message displayed | User fails to login – appropriate error message displayed | None |
| 3 | Try to login with an email that isn’t registered | Email: test1@gmail  Pass: qwerty123 | Bad | User fails to login – appropriate error message displayed | User fails to login – appropriate error message displayed | None |
| 4 | Try to login without a password | Email: test@gmail  Pass: | Bad | User fails to login – appropriate error message displayed | User fails to login – appropriate error message displayed | None |
| 5 | Try to login without an email | Email:  Pass: qwerty123 | Bad | User fails to login – appropriate error message displayed | User fails to login – appropriate error message displayed | None |
| 6 | Try to login without an email and a password | Email:  Pass: | Bad | User fails to login – appropriate error message displayed | User fails to login – appropriate error message displayed | None |
| 7 | Try to login with a valid email but another user’s password | Email: test@gmail  Pass: password123 | Bad | User fails to login – appropriate error message displayed | User fails to login – appropriate error message displayed | None |
| 8 | Test password reset link feature | Email: sami.k.idreesi@gmail.com | Good | Password reset link is sent to corresponding email | Password reset link is sent to corresponding email | None |
| 9 | Test password reset link feature with an unregistered email | Email: unregistered@gmail.com | Bad | Password reset link is not sent to the corresponding email and an appropriate error message is shown | Password reset link is not sent to the corresponding email and an appropriate error message is shown | None |

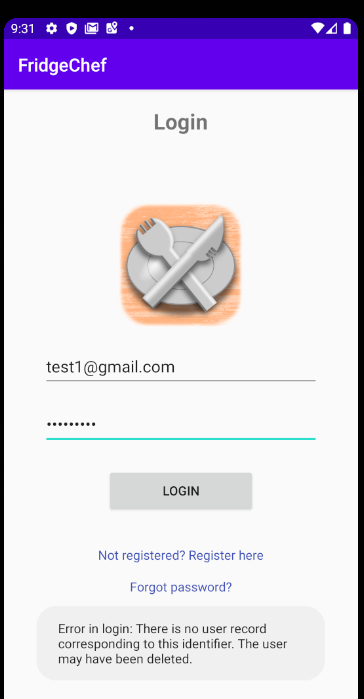
# Test Results

Test 1:

Screenshot showing the result when the user logs in with valid credentials

Test 2:

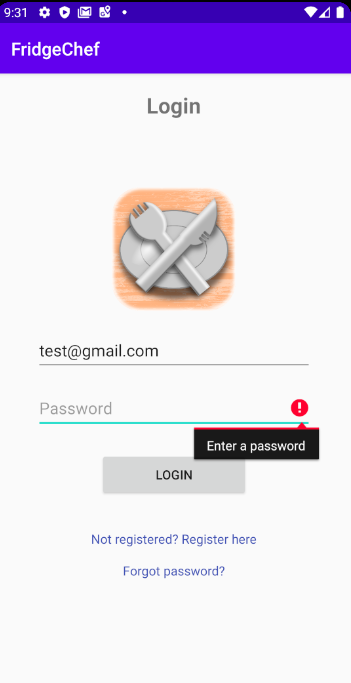
Screenshot showing the results when the users logs in with the wrong password

Test 3:

# 

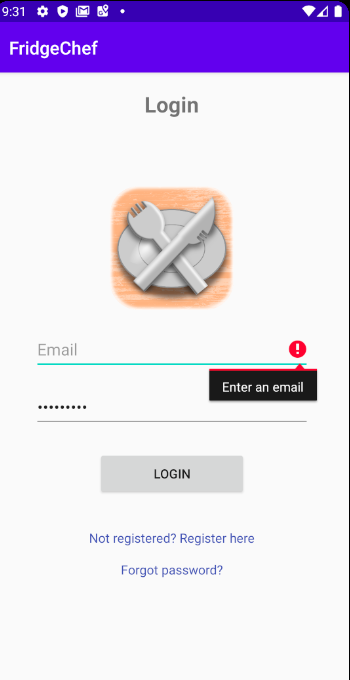
Screenshot showing the results when the users logs in with an unregistered email

Test 4:



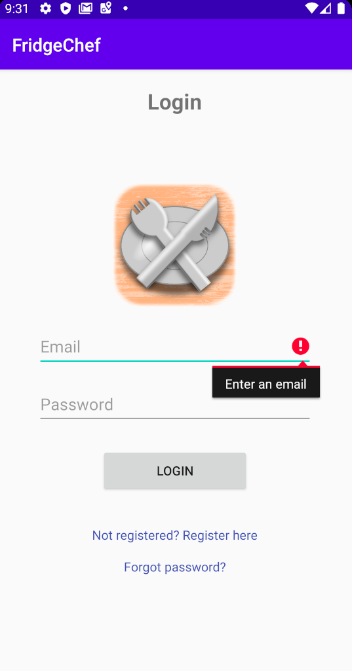
Screenshot showing the results when the users logs in without a password

Test 5:



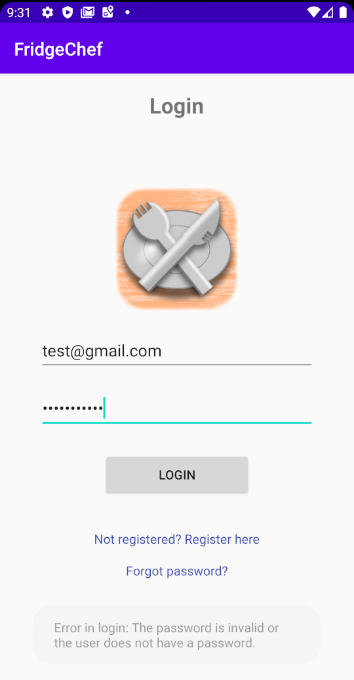
Screenshot showing the results when the users logs in without an email

Test 6:



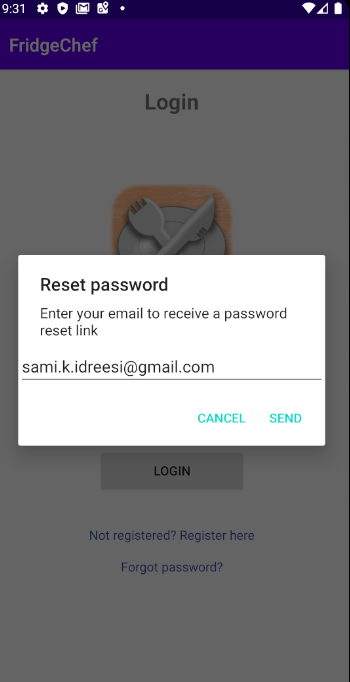
Screenshot showing the results when the users logs in without an email and password

Test 7:



Screenshot showing the results when the users logs in with a valid email but another user’s password

# Screenshot%202020-05-04%20at%2005.54.47.pngTest 8:

 Screenshots showing the results when the user clicks the forgot password link and enters their email

# Screenshot%202020-05-04%20at%2006.02.58.pngScreenshot%202020-05-04%20at%2006.02.13.pngTest 9:

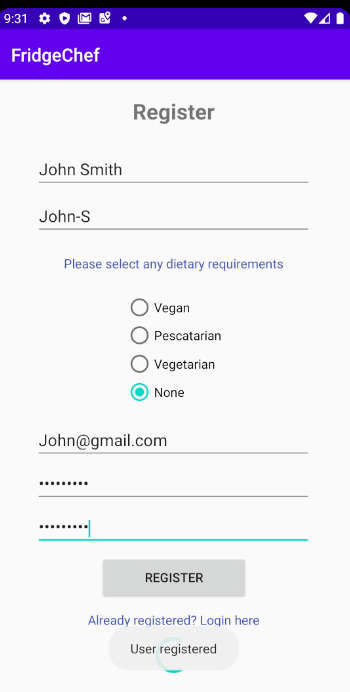
# Screenshots showing the results when the user clicks the forgot password link and enters their an unregistered email

# Registration Testing

# Testing – Post-Testing

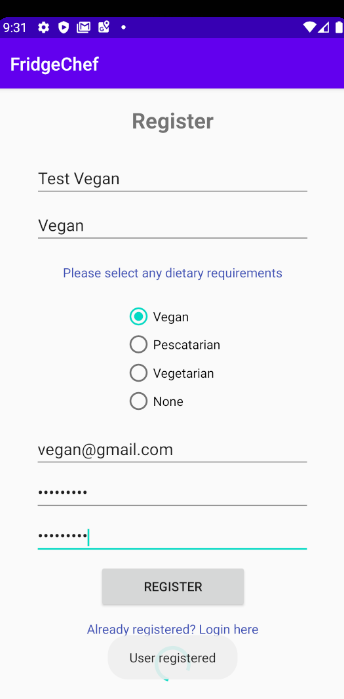
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test No. | What is being tested? | Test Data | Testing Strategy (Good, Bad, Boundary) | Expected resulpht | Actual result | Actions needed |
| 1 | User can register with valid data and no dietary requirements | Full name: John Smith  Username: John-S  Dietary requirements: None  Email: [John@gmail.com](mailto:John@gmail.com)  Password: qwerty123  Confirm password: qwerty123 | Good | User registers successfully | User registers successfully | None |
| 2 | User with vegan dietary requirements can register | Full name: Test Vegan  Username: Vegan  Dietary requirements: Vegan  Email: [vegan@gmail.com](mailto:vegan@gmail.com)  Password: qwerty123  Confirm password: qwerty123 | Good | User registers successfully | User registers successfully | None |
| 3 | User with vegetarian dietary requirements can register | Full name: Test Vegetarian  Username: Vegetarian  Dietary requirements: Vegetarian  Email:  [Vegetarian@gmail.com](mailto:%20Vegetarian@gmail.com)  Password: qwerty123  Confirm password: qwerty123 | Good | User registers successfully | User registers successfully | None |
| 4 | User with pescatarian dietary requirements can register | Full name: Test Pescatarian  Username: Pescatarian  Dietary requirements: Pescatarian  Email:  [Pescatarian@gmail.com](mailto:%20Vegetarian@gmail.com)  Password: qwerty123  Confirm password: qwerty123 | Good | User registers successfully | User registers successfully | None |
| 5 | User tries registering with a username that already exists | Full name: John Smithers  Username: John-S  Dietary requirements: None  Email: [JS@gmail.com](mailto:JS@gmail.com)  Password: qwerty123  Confirm password: qwerty123 | Bad | User registration fails and appropriate error message displayed | User registration fails and appropriate error message displayed | None |
| 6 | User tries registering with an email that already exists | Full name: John Doe  Username: John-D  Dietary requirements: None  Email: [John@gmail.com](mailto:John@gmail.com)  Password: qwerty123  Confirm password: qwerty123 | Bad | User registration fails and appropriate error message displayed | User registration fails and appropriate error message displayed | None |
| 7 | User tries registering without a full name | Full name:  Username: test7  Dietary requirements: None  Email: [test7@gmail.com](mailto:test7@gmail.com)  Password: qwerty123  Confirm password: qwerty123 | Bad | User registration fails and appropriate error message displayed | User registration fails and appropriate error message displayed | None |
| 8 | User tries registering without a username | Full name: Empty Username  Username:  Dietary requirements: None  Email: [test8@gmail.com](mailto:test8@gmail.com)  Password: qwerty123  Confirm password: qwerty123 | Bad | User registration fails and appropriate error message displayed | User registration fails and appropriate error message displayed | None |
| 9 | User tries registering without an email | Full name: Empty Email  Username: test9  Dietary requirements: None  Email:  Password: qwerty123  Confirm password: qwerty123 | Bad | User registration fails and appropriate error message displayed | User registration fails and appropriate error message displayed | None |
| 10 | User tries registering without a password | Full name: No Password  Username: test10  Dietary requirements: None  Email: test10@gmail.com  Password: qwerty123  Confirm password: qwerty123 | Bad | User registration fails and appropriate error message displayed | User registration fails and appropriate error message displayed | None |
| 11 | User tries registering without confirming the password | Full name: Confirm Password  Username: test11  Dietary requirements: None  Email: test11@gmail.com  Password: qwerty123  Confirm password: | Bad | User registration fails and appropriate error message displayed | User registration fails and appropriate error message displayed | None |
| 12 | User tries registering with a different password and confirm password | Full name: Different Passwords  Username: test12  Dietary requirements: None  Email: test12@gmail.com  Password: qwerty123  Confirm password: qwerty1234 | Bad | User registration fails and appropriate error message displayed | User registration fails and appropriate error message displayed | None |

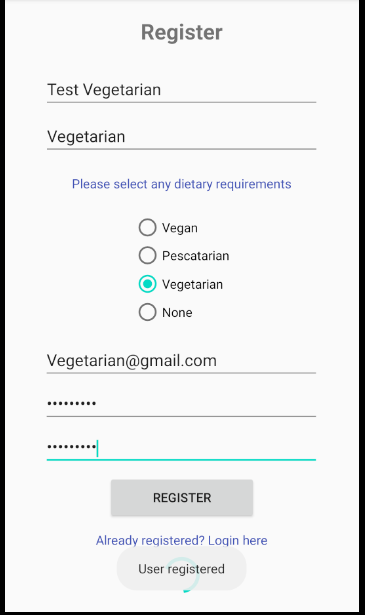
# Test Results

Test 1:

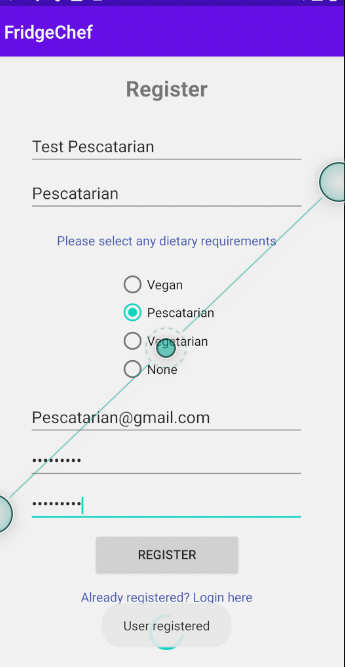
Screenshot showing the results when the users registers with valid input data and no dietary requirements

Test 2:

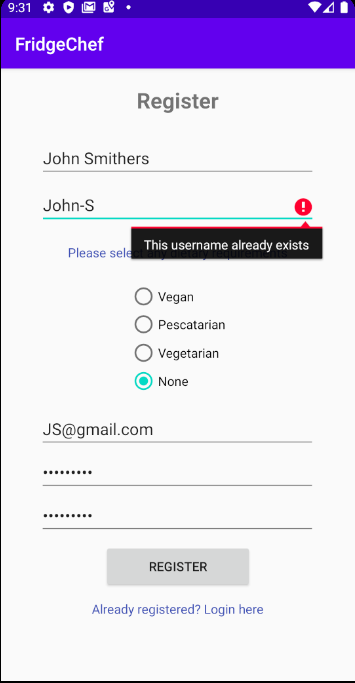
Screenshot showing the results when the user registers with valid input data and vegan dietary requirements

Test 3:

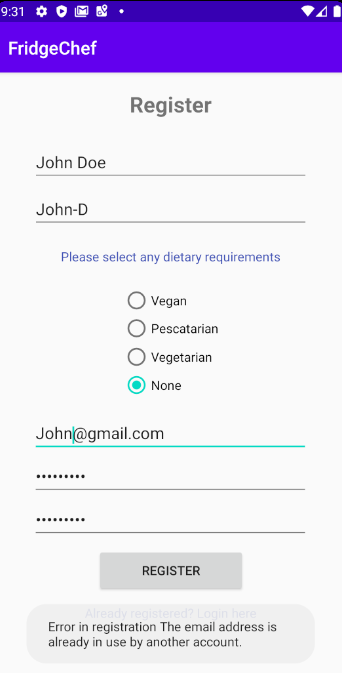
Screenshot showing the results when the user registers with valid input data and vegetarian dietary requirements

Test 4:

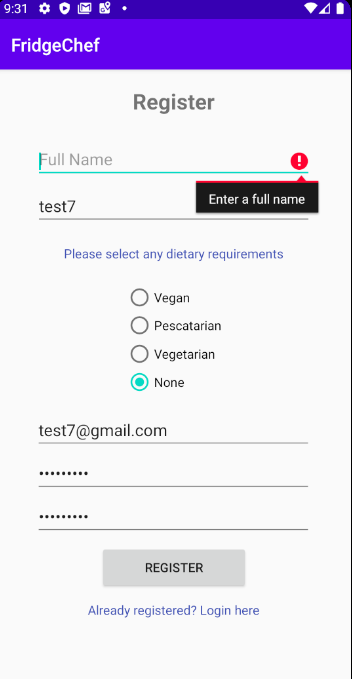
Screenshot showing the results when the user registers with valid input data and pescatarian dietary requirements

Test 5:

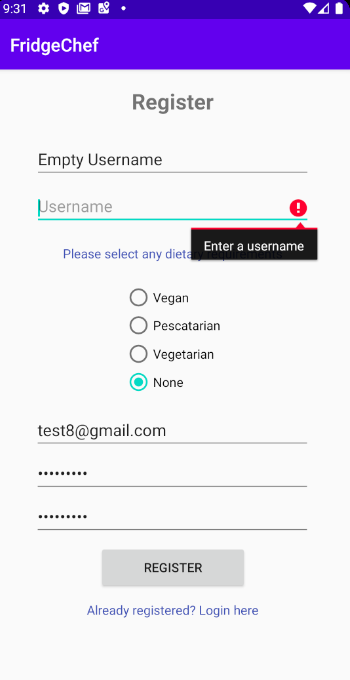
Screenshot showing the results when the user registers with a username that already exists

Test 6:

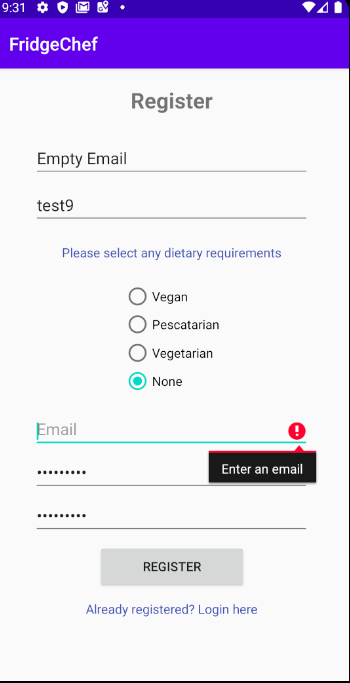
Screenshot showing the results when the user registers with an email that already exists

Test 7:

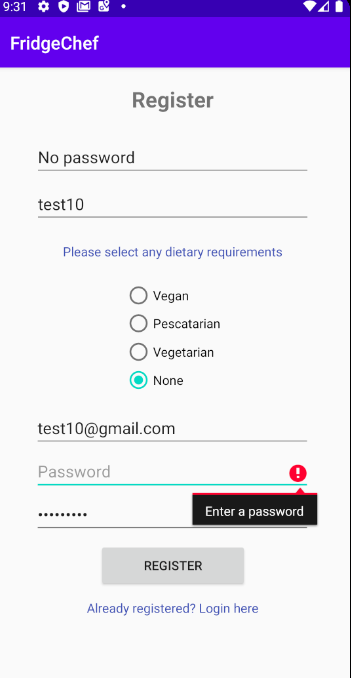
Screenshot showing the results when the user registers without a full name

Test 8:

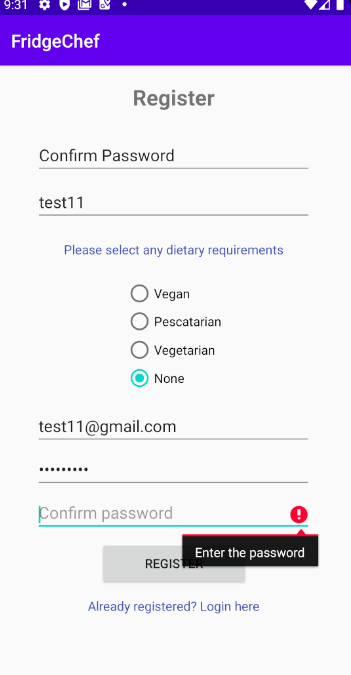
Screenshot showing the results when the user registers without a username

Test 9:

Screenshot showing the results when the user registers without an email

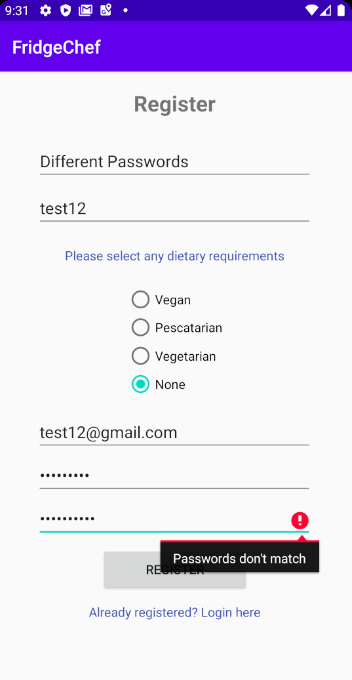
Test 10:

Screenshot showing the results when the user registers without inputting the first password field

Test 11:

Screenshot showing the results when the user registers without inputting the confirm password field

Test 12:



Screenshot showing the results when the user registers with the confirm password field different to the password field