

Step by Step Test Case Instructions

1. Create Account

1.1 Username and e-mail not in database

- a. In the sign in page, click "Don't have an account? Sign up!" button and go to the sign up page.
- b. Input a new username.
- c. Input first name and last name.
- d. Input an email with the correct format.
- e. Input a password with at least 8 characters.
- f. Confirm the password.
- g. Click the "Submit" button and be redirected to the home page.

1.2 Username found in database (username already taken)

- a. In the sign in page, click "Don't have an account? Sign up!" button and go to the sign up page.
- b. Input a username that is already taken.
- c. Input first name and last name.
- d. Input a new email with the correct format.
- e. Input a password with at least 8 characters.
- f. Confirm the password.
- g. Click the "Submit" button and alert should show that "Username Is Already Taken. Please Try Again."

1.3 E-mail found in database

- a. In the sign in page, click "Don't have an account? Sign up!" button and go to the sign up page.
- b. Input a new username.
- c. Input first name and last name.
- d. Input an email that is already taken.
- e. Input a password with at least 8 characters.
- f. Confirm the password.
- g. Click the "Submit" button and alert should show that "E-Mail Is Already In Use. Please try Again."

1.4 Password less than 8 characters

- a. In the sign in page, click “Don’t have an account? Sign up!” button and go to the sign up page.
- b. Input a new username
- c. Input a new email with the correct format.
- d. Input a password that is less than 8 characters.
- e. Unable to press “Submit” button and can not continue because password is less than 8 characters.

1.5 Passwords don't match

- a. In the sign in page, click “Don’t have an account? Sign up!” button and go to the sign up page.
- b. Input a new username.
- c. Input a new email with the correct format.
- d. Input a password that is at least 8 characters.
- e. Input a confirmed password that does not match.
- f. Unable to press “Submit” button and can not continue because passwords are not matching.

1.6 Invalid email format

- a. In the sign in page, click “Don’t have an account? Sign up!” button and go to the sign up page.
- b. Input a new username.
- c. Input an email with a wrong format.
- d. Input a password that is at least 8 characters.
- e. Input a confirmed password that does not match.
- f. Unable to press “Submit” button and alert should show that “E-Mail Is Poorly Formatted. Please Try Again.

2. Login

2.1 Account with this email found in database and password is valid

- a. In the login page, input the email that is been used to create an account successfully.
- b. Input the valid password.
- c. Click “Log In” button and be redirected to the home page.

2.2 Account with this email found in database and password is invalid

- a. In the login page, input the email that is been used to create an account successfully.
- b. Input a wrong password.
- c. Click “Log In” button and alert should show that “Invalid Password. Please Try Again.”

2.3 E-mail was not found in database

- a. In the login page, input a new email.
- b. Input a random password.
- c. Click “Log In” button and alert should show that “User Not Found. Please Try Again.”

3. Add Habit

3.1 Habit parameters entered with valid format

- a. In the home page, click “+” button and be redirected to the “Add Habit” page.
- b. Input a habit name.
- c. Choose a goal period.
- d. Set times per day.
- e. Choose days to track.
- f. Set reminders or not.
- g. Click the “Save” button and be redirected to the home page.

3.2 Habit parameter entered with invalid format

- a. In the home page, click “+” button and be redirected to the “Add Habit” page.
- b. Input a habit name that is less than 2 characters.
- c. Choose a goal period.
- d. Set times per day.
- e. Choose days to track.
- f. Set reminders or not.
- g. Click the “Save” button and be redirected to the home page.

4. List View of Habits

4.1 Current user has existing habits

- a. User logs in.
- b. Habits that are successfully added should show on the home page.

4.2 Current user has no existing habits

- a. User logs in.
- b. Nothing is listed on the home page.

5. Mark Habit as Done

5.1 Habit id corresponds to a valid habit for current user

- a. User can double tap or double click a habit component to increment the counter.
- b. Once the counter is reached the habit will display the text "Done!" indicating the goal has been reached.

5.2 Habit id corresponds to a valid habit for current user and counter exceeds goal

- a. User can double tap or double click a habit component to increment the counter.
- b. Once the counter is reached the habit will display the text "Done!" indicating the goal has been reached.

5.3 Habit id does not correspond to a valid habit for current user

- a. This will not happen unless there is an error with the database which is very unlikely.
- b. If this occurs the counter will not increment for specified habit.

6. Edit Habit

6.1 Habit information is different from original habit (changes were made)

- a. In the home page, choose the habit to edit.
- b. Click the corresponding "edit" button and be redirected to the "Add Habit" page with all saved info showed.
- c. Edit the habit information that is different from original habit.
- d. Click the "Save" button and be redirected to the home page.
- e. All edited information is updated.

6.2 Habit information is same as original habit (changes were not made)

- a. In the home page, choose the habit to edit.
- b. Click the corresponding "edit" button and be redirected to the "Add Habit" page with all saved info showed.
- c. Edit the habit information that is the same as the original habit.
- d. Click the "Save" button and be redirected to the home page.
- e. All edited information is updated.

6.3 Parameters are entered with invalid format

- a. In the home page, click “+” button and be redirected to the “Add Habit” page.
- b. Input a habit name that is less than 2 characters.
- c. Choose a goal period.
- d. Set times per day.
- e. Choose days to track.
- f. Set reminders or not.
- g. Click the “Save” button and be redirected to the home page.

7. Delete Habit

7.1 Habit id is valid for one of current user's habits

- a. In the home page, choose the habit to delete.
- b. Click the corresponding “delete” button and alert shows that “Are You Sure? Data Cannot Be Recovered”.
- c. Select “Delete”, and the habit is deleted from the home page.

7.2 Habit id does not correspond to one of current user's habits

- a. This will not happen unless there is an error with the database which is very unlikely.
- b. If this occurs the specified habit will not be deleted.

8. Update User Info

8.1 New username is not in the database and the password is correct

- a. In the setting page, click “Update User Info” button.
- b. With the saved info showed, input a new username.
- c. Click the “Save” button and input the correct password.
- d. Successfully update the username and alert shows “User Info Updated”.

8.2 New username is in the database and the password is correct

- a. In the setting page, click “Update User Info” button.
- b. With the saved info showed, input a username that is already taken.
- c. Click the “Save” button and input the correct password.
- d. Cannot update the username and alert shows “Username Is Already Taken”.

8.3 First name was changed and the password is correct

- a. In the setting page, click "Update User Info" button.
- b. With the saved info showed, input a new first name.
- c. Click the "Save" button and input the correct password.
- d. Successfully update the first name and alert shows "User Info Updated".

8.4 Last name was changed and the password is correct

- a. In the setting page, click "Update User Info" button.
- b. With the saved info showed, input a new last name.
- c. Click the "Save" button and input the correct password.
- d. Successfully update the last name and alert shows "User Info Updated".

8.5 New email is not in database and the password is correct

- a. In the setting page, click "Update User Info" button.
- b. With the saved info showed, input a new email.
- c. Click the "Save" button and input the correct password.
- d. Successfully update the email and alert shows that "User Info Updated".

8.6 New email is found in database and the password is correct

- a. In the setting page, click "Update User Info" button.
- b. With the saved info showed, input an email that is already taken.
- c. Click the "Save" button and input the correct password.
- d. Cannot update the email and alert shows "E-mail Already In Use".

8.7 Updated user info but password is incorrect

- a. In the setting page, click "Update User Info" button.
- b. With the saved info showed, edit any info.
- c. Click the "Save" button and input a wrong password.
- d. Cannot update the info and alert shows "Password Incorrect".

9. Forget Password

9.1 Email was found in database

- a. In the setting page, click "Forgot Password" button and be redirected to the "Forget Password" page.
- b. Enter a valid user email.

- c. Click "Reset My Password" button and alert shows "Success"
- d. An email is sent which will allow user to reset their password.

9.2 Email was not found in database

- a. In the setting page, click "Forgot Password" button and be redirected to the "Forgot Password" page.
- b. Enter a new email that has never been used.
- c. Click "Reset My Password" button.
- d. Cannot reset password and alert shows that "User Not Found".

10. Reset Password

10.1 New password and confirmation match

- a. In the setting page, click "Change Password" button and be redirected to the "Change Password" page.
- b. Input a new password that is at least 8 characters.
- c. Confirm the password.
- d. Click "Confirm Change" button and alert shows "Success"
- e. Password is successfully changed and be redirected to home page.

10.2 Password is same as old password

- a. In the setting page, click "Change Password" button and be redirected to the "Change Password" page.
- b. Input a password that is the same as the old password.
- c. Confirm the password.
- d. Click "Confirm Change" button and alert shows "Success"
- e. Password is successfully changed and be redirected to the home page.

10.3 New password and confirmation do not match

- a. In the setting page, click "Change Password" button and be redirected to the "Change Password" page.
- b. Input a new password that is at least 8 characters.
- c. Confirm the password that does not match the new password.
- d. Click "Confirm Change" button
- e. Cannot change the password.

10.4 Password does not meet length requirement

- a. In the setting page, click "Change Password" button and be redirected to the "Change Password" page.
- b. Input a new password that is less than 8 characters.
- c. Confirm the password.
- d. Click "Confirm Change" button
- e. Cannot change the password.