System and Unit Test Report
Product: Mirr.or: A Sentiment Journal
Team: Operation 115A
3-9-2021

Sprint 1
1. As a user, I want to see a calendar.
    a. Launch Mirr.or
    b. User sees a calendar
2. As a user, I want to see a submit box.
    a. Launch Mirr.or
    b. User sees a submit box
    c. User can enter text into the submit box
3. As a user, I want to see a field where my journal entries would be displayed.
    a. Launch Mirr.or
    b. User sees a text field with "insert text here" (a hardcoded string)

Sprint 2
1. As a user, I want to be able to submit a journal entry and have it saved.
    a. Launch Mirr.or
    b. Write text into submit box
    c. Click submit button
    d. View in database that the only entry has the same text as the entry inputted into the submit box.
2. As a user, I want my journal entries to be mapped to a mood score
    a. Launch "Mirr.or"
    b. Submit "good" and "bad" into the database through the submit box
    c. In the database, the "good" entry should have a score that's greater than 0, and the "bad" entry should have a score that's less than 0.
3. As a user, I want my mood scores to correlate to a color that's displayed on the calendar.
    a. Launch "Mirr.or"
    b. Fill database with entry that has positive score on day A, and an entry with a negative score on day B.
    c. Have the calendar tile for day A display a green color. Have the calendar tile for day B display a red color.

Sprint 3
1. As a user, I want my past journal entries to be displayed on a calendar interface.
    a. Launch "Mirr.or"
    b. Submit journal entry on day A
    c. Click on day A on the calendar.
    d. See same entry in the text field.
2. As a user, I want to be able to delete journal entries.
    a. Launch "Mirr.or"
    b. Submit journal entry on day A
    c. Click on day A on the calendar.
    d. See same entry in the text field.
    e. Click delete button
    f. No longer see entry in text field.

      g. Check database and see that date A entry is missing.
3. As a user, I want to be able to see content in the form of a large calendar.
      a. Launch "Mirr.or"
      b. Be able to see a large calendar displayed in the middle of the screen.

Sprint 4
1. As a user, I want to be able to create a new account.
      a. Launch "Mirr.or"
      b. Click "signup" button
      c. Type "user" into *name* field, "user@user.com" into *email* field, and "password1234" into *password* field.
      d. Click "signup" button
      e. See that "user@user.com" is included in firebase authentication dashboard. See that new user information is included in users table in database.
2. As a user, I want to be able to log into my own personal account.
      a. Confirm that "user@user.com" email and "password1234" password are in users table, as well as in the firebase authentication table.
      b. Launch "Mirr.or"
      c. Click "signin" button
      d. Type "user@user.com" into *email* field, and "password1234" into *password* field.
      e. Click "signin" button
      f. See home screen with calendar and text field.
3. As a user, I want to have a positive message displayed after a series of bad days.
      a. Launch "Mirr.or"
      b. Sign in/Sign up successfully
      c. Have negative scores for the last two days leading up to the present day.
      d. Submit "bad" and receive a negative sentiment score.
      e. Receive a pop-up with an encouraging message
      f. Click close and have the pop-up message removed from the screen.
4. As a user, I want to be able to see the mood color displayed on the calendar.
      a. Launch "Mirr.or"
      b. Sign in/Sign up successfully
      c. Click submit box
      d. Type "i had a bad day" into submit box
      e. Click "submit"
      f. See red color in the tile corresponding to todays date.

Unit tests

Backend unit tests (and their respective equivalence classes) found in

backend/tests/unit_tests/test.py

Describe why we chose the test cases we did to cover the different equivalence classes(200, 400, etc).

Sign Up

     valid name, email, password

     missing

Sign In

View Entry

Add Entry

Edit Entry

Delete Entry