Test Plan and Report
YT Comments Reborn
The Revivers
6 June 2023

User Stories:

A. User Story 1
   a. User Story 1.1: As a YouTube viewer I want to make a comment on restricted videos and see it
   b. User Story 1.2: As a user, I would like to use the app as Chrome extension
B. User Story 2
   a. User Story 2.1: As a Youtuber I want my viewers to be able to give me feedback even in the case my comments are disabled
   b. User Story 2.2: As a commenter I want to be able to be identified by my username
   c. User Story 2.3: As a commenter I want to be able to reply to others
C. User Story 3
   a. User Story 3.1: As a YouTube user I want to be able to comment and see other people's comments in real time
D. User Story 4
   a. User Story 4.1: As a YouTube Comment Reader I want to be able to like/dislike comments
   b. User Story 4.2: As a YouTube user I want to be able to sort comments by date or popularity

System Test Scenarios:
❖ Scenario 1: Using the Extension
   1. Load Chrome Extension onto Google Chrome
   2. Navigate to this [YouTube video](#)
   3. Scroll down to comments section
   4. User should be able to view sample comments
   5. User clicks into the comment box, inputs <Hello, world!> and clicks the <Comment> button
   6. User should be able to see their own comment
❖ Scenario 2: Identifying Users and Replies
   1. Load Chrome Extension onto Google Chrome as User 1
   2. Navigate to this [YouTube video](#)
   3. Scroll down to comments section
   4. User 1 clicks into the comment box, types <Hello, world!> and clicks the <Comment> button
   5. Log out as User 1
   6. Switch to User 2 on the same Google Chrome browser
   7. Navigate to the same YouTube video from step 2

8. User 2 should be able to see User 1's comment with a different profile name and picture
9. User 2 clicks <Reply> underneath User 1's comment and types <Wow!> into the reply box and clicks <Reply> next to the reply box
10. User 2 should now see User 1's comment with their own reply under it
11. User 2 will repeat step 9 but with their own reply
12. User 2 should see a second reply underneath User 1's comment, with this new reply starting with <@USER2> where <USER2> is User 2's display name
13. User 1's comment should say it has 2 replies beneath it
14. User 2 clicks on the blue downwards facing arrow beneath User 1's comment
15. The reply chain for User 1's comment should be collapsed

❖ Scenario 3: Sorting and Changing Likes
1. Load Chrome Extension on Google Chrome
2. Navigate to this YouTube video
3. Scroll down to comments section
4. User picks a comment to like
5. User clicks the like button
6. User should observe that like count has increased on comment and like button has been filled
7. User clicks the dislike button
8. User should observe that like count has decreased on comment, like button has been unfilled, dislike count has increased and dislike button has been filled
9. User clicks the dislike button again
10. User should observe that dislike count has decreased on comment and dislike button has been unfilled
11. User clicks the <Likes> checkbox
12. User should observe that all top level comments in comment section have changed order from being ordered by date to being ordered by like count
13. User clicks the <Date> checkbox
14. User should observe that all top level comments in comment section have changed order from being ordered by likes to being ordered by date posted

Unit Tests:

We have automated tests which can be found in the following directories.
● **Backend tests:** <backend/src/__tests__>
● **Frontend tests:** <frontend/extension/scripts/__tests__>

Automated unit tests can be run with the <npm run test> command in the root directory of the repository after following the instructions from the <README.md> file.