CEN 4010 Principles of Software Engineering, Summer 2020

Milestone 4 Beta Launch and Reviews

Group 6 – Covid Communicator

Team number: 6

Team members:

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Documentation Date: 7/28/20

History Table:

|  |  |
| --- | --- |
| Date of Revision | Description |
| 7/28/20 | Changing the original requirement in Milestone 1 which required the app to be accessible on web browsers. |
| 7/28/20 | The user will log in with a username rather than entering their email address. |

**Product Summary**

The world today has changed a great deal in the past few months. With the rise of Covid-19 forcing people into lockdown, feelings of isolation and loneliness are inevitable. Now more than ever, it is difficult to feel connected to other people. This is why we developed the “Covid Communicator.” Covid Communicator is a desktop app which will allow those who feel lonely the chance to chat with others who feel the same. The user will be connected to another in a chatroom and given the opportunity to chat about whatever they like. Our app values friendliness and will attempt to brighten the day of anyone who uses it. Covid Communicator will be a mental health benefit to those who feel lonely during the epidemic.

Product Name: Covid Communicator

Major Committed Functions:

1. Your username and password are only requirements to log in.

2. The password will be encrypted in the server.

3. The user will be able to send a message and see it in the chatroom.

4. The chat will be completely anonymous.

**Usability Test Plan**

Test objectives: The goal is to test the usability of the upload feature of our app. Once the user connects to a room, we want to make sure they can type in a message and then enter their message into the chatroom. We also want to test whether the app is simple and clear enough, so the user knows exactly what to do without any issues. This will tell us whether the app is simple enough to navigate, or if changes must be made to make the app more accessible to the average user.

Test plan: The user will start on the home screen of the app. They will create an account by entering their email address and password. Once they are taken to the chatroom, they will attempt to type a message into the message bar. The test will be complete once the user sees their message entered and saved in the chatroom. The intended user should be someone who has no knowledge of how the app works.

Questionnaire:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Completely Agree | Somewhat Agree | Neutral | Somewhat Disagree | Completely Disagree |
| The app was easy to navigate. |  |  |  |  |  |
| Sending a message was quick and responsive. |  |  |  |  |  |
| The app felt inviting and friendly. |  |  |  |  |  |
| The app ran efficiently and loaded quickly. |  |  |  |  |  |

**QA test plan**

The purpose of this test is to make sure various functions are running correctly without issue. We want to test the basic functions which the user will do every time they log in. This includes entering the app and logging into or creating an account and typing a message into the chatroom. We will have three members of our team run the tests to ensure everything works as intended.

Hardware and software setup:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Title** | **Description** | **Input** | **Expected Output** | **Results** |
| Create an account | Enter email and password to create an account. | Type in your email address and password. | An account will be created, and you will be taken to the chatroom. |  |
| Log into an existing account. | Enter email and password to an existing account. | Type in your email address and password to an existing account. | The account should be saved, and you will be taken to the chatroom. |  |
| Enter a message | Once you are in the chatroom, enter a message into the message bar. | Type in your message. | The message should appear in the chatroom. |  |

**Code Review**

**Self-check on best practices for security**

Major asset we are protecting: Password.

The major asset which we are protecting for the user is their password. We have ensured that their password is encrypted in the DB and it is safe.

**Self-check: Adherence to original Non-functional specs**

1. Users shall log in with a password: DONE

1.1 User will also log in with username: DONE

2. Passwords must be encrypted in server: ON TRACK

3. The system should be able to support at least 100 users: ON TRACK