CSC 6110

Assignment 1: Project backlog

Submission type: Group

Points: 100

Group: B

Members:

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Project Title: Basic Java Instant Messenger

Link: <https://github.com/amareensaleh/basic-java-instant-messenger>

Functional Requirements

| Title: Launch Application | Priority: Must have | Estimate: 13 |
| --- | --- | --- |
| **As a** *user* **I want to** launch the chat application  **so that I can** start chatting with others online | | |
| **Acceptance criteria**  **Given** *That a user has the application*  **When** The user launches the application  **Then** The application starts up | | |

| Title: Support Multiple Clients | Priority: Must have | Estimate: 8 |
| --- | --- | --- |
| **As a** *user* **I want** the application to allow multiple users to connect at the same time  **so that I can** select other users to chat with | | |
| **Acceptance criteria**  **Given** *That multiple users launch the application*  **When** multiple users try to connect simultaneously  **Then** The application allows them to connect | | |

| Title: List Online Users | Priority: Must have | Estimate: 8 |
| --- | --- | --- |
| **As a** *user* **I want to** see a list of online users  **so that I can** select some users to chat with | | |
| **Acceptance criteria**  **Given** *That the application is running*  **When** the application starts up  **Then** The application lists all online users | | |

| Title: Select User | Priority: Must have | Estimate: 5 |
| --- | --- | --- |
| **As a** *user* **I want to** select a user from online users  **so that I can** chat with that specific user | | |
| **Acceptance criteria**  **Given** *That some users are online*  **When** I select (i.e, double click) a certain user  **Then** the application opens a private chat window with that user | | |

| Title: Sending Messages | Priority: Must have | Estimate: 5 |
| --- | --- | --- |
| **As a** *user* **I want to** send a text message to a selected user  **so that I can** correspond with that user | | |
| **Acceptance criteria**  **Given** *That I selected a user to chat with*  **When** type a text message and hit Enter  **Then** the application sends my message to that user and shows the text message on the sender’s chat window prefixed with the sender’s name. For example | | |

| Title: Receiving Messages | Priority: Must have | Estimate: 5 |
| --- | --- | --- |
| **As a** *user* **I want to** receive messages from other users  **so that I can** read them | | |
| **Acceptance criteria**  **Given** *that I see a list of contact ,*  **When** i click on specific user  **Then** message appears in the chat log | | |

| Title: Sending Pictures | Priority: Must have | Estimate: 8 |
| --- | --- | --- |
| **As a** *user* **I want to** send pictures to a selected user  **so that I can** express myself to others in the form of pictures. | | |
| **Acceptance criteria**  **Given** *That I selected a user to chat with*  **When** i select a picture in chat window and hit Enter  **Then** the application sends my picture to that user and shows the picture on the sender’s chat window prefixed with the sender’s name. For example:  **Saleh**: | | |

| Title: Receiving Pictures | Priority: Must have | Estimate: 8 |
| --- | --- | --- |
| **As a** *user* **I want to** receive pictures from a user  **so that I can** see what other users express to me in the form of a picture | | |
| **Acceptance criteria**  **Given** that the application is running and I am online  **When** a user sends me a picture  **Then** I receive that picture and it displays on my chat window with that user | | |

| Title: Sending Emojis | Priority: Could have | Estimate: 8 |
| --- | --- | --- |
| **As a** *user* **I want to** send emojis to a selected user  **so that I can** be more expressive and liven up my chat | | |
| **Acceptance criteria**  **Given** *that I open a chat window to chat with another user*  **When** i select specific emoji and click on send button  **Then** both of us should be able to see it, | | |

| Title: Receive Emojis | Priority: Could have | Estimate: 8 |
| --- | --- | --- |
| **As a** *user* **I want to** receive emojis from other users  **so that I can** enjoy while others express themselves | | |
| **Acceptance criteria**  **Given** *a user sends me an Emoji*  **When** I open up my chat window  **Then** I should see the Emoji they sent me | | |

| Title: Set Profile Picture | Priority: Could have | Estimate: 3 |
| --- | --- | --- |
| **As a** *user* **I want to** upload a profile picture  **so that I can** be easily recognized by other users | | |
| **Acceptance criteria**  **Given** *that i am on the home page*  **When** I click on “upload your photo” and select a photo  **Then** the photo should appear as my profile picture. | | |

| Title: Update Profile Picture | Priority: Could have | Estimate: 3 |
| --- | --- | --- |
| **As a** *user* **I want to** change my profile picture  **so that I can** keep my profile up to date | | |
| **Acceptance criteria**  **Given** *that i am on the home page*  **When** I click on a button “change your photo” and select a photo  **Then** the photo should override previous one and appear as profile picture | | |

Non Functional Requirements

| Title: Sign Up | Priority: Won’t have | Estimate: 13 |
| --- | --- | --- |
| **As a** *user I want to sign up for an account*  **so that I can** log in and secure my private chats. | | |
| **Acceptance criteria**  **Given that** *I am in landing page*  **When** I click on register or sign up button  **Then** I should be able to sign up and create a new account. | | |

| Title: Protecting Personal Information | Priority: Should have | Estimate: 3 |
| --- | --- | --- |
| **As a** *User* I want that the application does not use any of my personal chats for any purposes without my concern  **so that I** can feel comfortable that my privacy is respected**.** | | |
| **Acceptance criteria**  **Given** a user uses the chat application  **When** a user chats with others  **Then** the application must not misuse personal chats for any purposes without users’ consent nor should it give access to any other users except the sender and the receiver. | | |

| Title: Font Settings | Priority: Could have | Estimate: 5 |
| --- | --- | --- |
| **As a** *user* **I want to** be able to change font settings  **so that I can** feel comfortable while using the application especially for an extended period of time. | | |
| **Acceptance criteria**  **Given** *that I launch the application*  **When** I click the settings  **Then** I should have the ability to change font settings such as size, color, font type and so on. | | |

| Title: Reliable message sending | Priority: Should have | Estimate: 5 |
| --- | --- | --- |
| **As a** *user* **I want the application** to deliver my messages *to other chat users whenever they are online*  **so that I can** ensure that others ultimately get my messages | | |
| **Acceptance criteria**  **Given** *that I*  have a chat window open with some user  **When** I send a message  **Then** that user ultimately gets my messages whenever they are online | | |

| Title: Reliable message reception | Priority: Should have | Estimate: 5 |
| --- | --- | --- |
| **As a** *user* **I want the application** to deliver messages sent by other to me whenever I am *online*  **so that I can** ensure that I get messages from others. | | |
| **Acceptance criteria**  **Given** *that I*  launch the application  **When** I am online  **Then** I should receive messages sent by others to me | | |

| Title: Availability | Priority: Could have | Estimate: 13 |
| --- | --- | --- |
| **As a** *user* **I want to** be able to access the app anytime  **so that I can** communicate with others whenever I want to chat with them | | |
| **Acceptance criteria**  **Given** *a user has the application*  **When** a user launches the application  **Then** a user should be able to connect and see other connected users anytime | | |

| Title: Message delivery times | Priority: Should have | Estimate: 13 |
| --- | --- | --- |
| **As a** *user* **I want** the application to deliver messages between online users no later than 5 seconds.  **so that users can** have a real time chat | | |
| **Acceptance criteria**  **Given** *two users are online and chatting is in progress*  **When** user X sends a message M to user Y.  **Then** Message M should be delivered no later than 5 seconds. | | |