**115365 – Computer Systems Inputs and Outputs**

**Exercise 1 - User Stories**

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| **User Story:**  As a registered user I would like to login with my username and password so that I can gain access to the messaging system.  **Acceptance Criteria:**   * A registered user should be able to enter their username and password and click on a login button to attempt to login. * The provided username and password will be authenticated and verified and if correct the user will be granted access to the messaging system. |
| **User Story:**  As a registered user I want to be notified and prevented from logging in if I provide the incorrect username or password so that I am aware of providing the incorrect login details.  **Acceptance Criteria:**   * A user must provide the incorrect username or password and attempt to login. * The incorrect username and password will need to go through the authentication process to verify that it is incorrect. * An error message must be displayed back to the user on the login screen to notify them that their login was unsuccessful due to an incorrect username or password that was provided. |
| **User Story:**  As a user I would like to see a list of other registered users in the company so that I can easily view the users and message them.  **Acceptance Criteria:**   * A logged in user must be able to see a list of all users who are registered on the system. |
| **User Story:**  As a user I would like the ability to search for registered users in the company so that I can easily find them and message them.  **Acceptance Criteria:**   * On a user list page there must be a search facility provided such as a textbox to enter text and a button to search. * The search facility must allow users to search for other users. * Search results must be displayed to a user. * If there are no results found from the search operation then the user should be notified that no results where found based on their search. * The user must be able to clear the search and load a list of all users again as a default. |
| **User Story:**  As a logged in user I want to be able to start new chats with other users easily so that I can communicate directly with them.  **Acceptance Criteria:**   * On the user list page there must be a way to interact with a user such as a message icon next to the user. * By clicking on the message icon this will allow for a new chat to be started with the user. * The chat should be simple and relatable such as being able to enter the message in a textbox and a button to send the message to the user. |
| **User Story:**  As a logged in user I want to be able to see all existing private chats that I have been engaged in and would like to resume those existing chats so that I can pick up where I left off in terms of communication with other users.  **Acceptance Criteria:**   * As soon as a user logins’ they should have a dashboard displayed to them. * The dashboard should display options such as: start a new chat or view existing chats. * The view existing chats option will allow the user to see all chats with the different users who they have engaged with. * There should be an interactive icon such as a message icon next to the existing chat with the user. * When the user clicks on the icon to resume the private existing chat then the contents of the chat history must be loaded and the user can continue communicating with the other user. |
| **User Story:**  As a user I want to be able to see a list of available channels so that I can view them and possibly join them.  **Acceptance Criteria:**   * A channel list page should be provided where all channels on the system are loaded for the user to view and interact with. |
| **User Story:**  As a user I would like for the ability to be able to search for channels that I have not joined so that I can find channels that I am looking for more easily.  **Acceptance Criteria:**   * On a channels list page there must be a search facility provided such as a textbox to enter text and a button to search. * The search facility must allow users to search for existing channels and exclude channels that the user has already joined. * Search results must be displayed to a user. * If there are no results found from the search operation then the user should be notified that no results were found based on their search. * The user must be able to clear the search and load a list of all channels again as a default. |
| **User Story:**  As a user I want to be able to join channels easily so that I can be part of the channel to start interacting with minimal effort.  **Acceptance Criteria:**   * On the channel list where all or searched for channels are displayed there should be a button or interactive icon that the user can click on to join a channel. * Once a user has joined a channel they should be added to the channel as a user and be able to start interacting/sending messages on the channel. |
| **User Story:**  As a user I would want to see the entire chat history of a channel that I have joined so that I can see all existing messages that have been posted on the channel.  **Acceptance Criteria:**   * When a user joins a channel or when a user opens the chat of an already joined channel then all messages that where sent on the channel must be retrieved and displayed to the user. |
| **User Story:**  As a user I would like to ability to create my own channel and automatically be added to it so that I can post my own relevant content on the channel and for other users to join and interact with the channel.  **Acceptance Criteria:**   * On the dashboard page there should be an option to allow the user to create their own channel. * The proper facilities containing items such as input fields should be present to capture the relevant information for the new channel to be created. * Validation must be carried out to check if another channel does not exist with the same name and the user is to be notified if their channel cannot be created. * Once a user has successfully created their channel then they must automatically be added to the channel as a user. * The newly created channel must appear under the channel list and must be able to be searched for. |
| **User Story:**  As a user I want to be able to log out of the system and be redirected to the login screen again so that I can be sure that I don’t have unattended access to the system.  **Acceptance Criteria:**   * There must always be an option available to allow the user to logout which is to be located in an appropriate place such as a nav bar. * Once the user clicks on the logout link or button then their session should be cleared and they must be directed back to the login screen. |
| **User Story:**  As a user who has logged in I want to be able to easily navigate between private chats and channel chats via some sort of navigation so that I can easily access private and channel chats.  **Acceptance Criteria:**   * A navigation bar such as a top or side navigation bar with items allowing the user so switch between private and channel chats must be available. |