Sprint 1 Tasks

Sprint Backlog

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Tasks

Task: 1--- **Story Points: 2**------------------------ **Dependencies: None**

Initialize the database with a few initial tables with some initial rows needed for account login and account creation with a SQL script on MySQL.

Tables: roles, user login credentials, user details, etc.

Task: 2--- **Story Points: 2**------------------------**Dependencies: Task 1**

Connect the database so that we are able to run queries on it with our Java code.

Task: 3--- **Story Points: 2**------------------------ **Dependencies: None**

Write some generic java functions that can be used to add and modify account data in the database.

Task: 4--- **Story Points: 2**------------------------**Dependencies: Task 3**

Create a function to auto generate passwords, encrypt them, then store it into the database whenever a new account is created in SQL.

Task: 5--- **Story Points: 2**------------------------ **Dependencies: None**

Create generic Java Swing JFrames, JPanels, etc. classes which will be used whenever a GUI must be created. They will contain useful methods which will be used by all GUIs such as creating the GUI, removing the GUI, resetting the GUI, etc.

Task: 6--- **Story Points: 2**------------------------**Dependencies: Task 5**

Create the GUI for a user to log in. The user provides a username, password, and then clicks a button to log in.

Task: 7--- **Story Points: 2**------------------------**Dependencies: Task 5**

Create the GUI for the landing page of a TEQ user since we are only creating functions for TEQ users for now. There should be a logout button, buttons for functions the user can perform, and the user's name and role should be displayed at the top.

Task: 8--- **Story Points: 2**------------------------**Dependencies: Task 5**

Create the GUI for a TEQ user to create another account. The user should enter a new username, a new email, and there should be a button to submit and a button to cancel.

Task: 9-- **Story Points: 4**------------------ Dependencies: Tasks 1 – 8

Create unit test cases to test the process of a TEQ user logging in and creating an account. Check edge cases such as creating a duplicate username, only able to login if a user's status is active, etc.