Team Stories

As a user I want to be able to log in so that I can access personalized content and room actions.

Tasks: Jude Shin

* display the "login" JPanel
* display a "submit" JButton in the "login" panel
* create the controller class for the JPanel
* associate the "login" button with "observable and observer" schema in the controller class
  + update the currentUser with the given username in the singleton when the "login" button is pressed
  + redirect the user to the "ChoicePanel" by changing the main content

As a user I want to be able to choose between making a new room and joining an existing room.

Tasks: Jude Shin

* display the "choice" JPanel
* display a "Join a Room" JButton in the "choice" panel
* display a "Create a Room" JButton in the "choice" panel
* create the controller class for the JPanel
* associate the "Join a Room" button with "observable and observer" schema in the controller class
  + redirect the user to the "JoinRoom" Panel by changing the main content
* associate the "Create a Room" button with "observable and observer" schema in the controller class
  + redirect the user to the "CreateRoom" Panel by changing the main content

As a user I want to be able to send information through MQTT.

Tasks: Jude Shin

* Implement a mechanism to serialize data structures for MQTT transmission.
* create a datasctrucure that holds a topic (String) and a message (byte[]) for MQTT transmission
* in the singleton, create a PublishQueue which will be populated whenever anyone wants to push information to the cloud
* create a publisher class that will constantly publish information to the cloud based on if the queue has anything or not
* create a subscriber class that will update the singleton with the information based on the given topic of the incoming message