JavaFX Project (Part 2) Specifications

- Foods list will be inside restaurants. (Better)
- Networking Feature.
  - Server program will load data from files, save the lists and will also maintain them. This server will be always running. Clients will be accepted by the server.
  - Server can either be GUI based or Console based.
- Types of clients (Client Program):
  - Restaurant (ID, Password our freedom)
    - If logged in as restaurant server will serve the data of restaurant and displayed as UI in the client program.
    - Restaurants can see their pending and completed requests list through UI. Which will be updated in real time (If not possible add refresh button).
    - Frequency of ordering every food item will be shown on the page.
  - Customer (Username, Password out freedom)
    - If logged in as customer server will serve all the data of all available restaurants and the program UI will view them through client program.
    - All available search options for filtering restaurants and foods.
    - The client can enter a specific restaurant and search for food items inside the restaurant.
    - Clients can order food items from only one restaurant at a time. A order placed message will be shown and this information will be sent to the server. Server will send this request to the specific restaurant and the UI of the restaurant will be updated accordingly showing the orders placed.
    - Restaurants can serve their requests and the requests will be removed from pending requests and will be shown at completed requests tab. Client will also be shown request completed message.
    - Try to automate the process of updating pending or completed requests list in real time. (If not possible keep a refresh button which will refresh the lists)
  - Admin (Server Manager)
    - GUI or console based.
    - Can add restaurant or food.
    - Try to automatically update the UIs in real time.

Bonus (Very Little):

- Images for food and restaurants.
- Nice UI

Deadline : 13 September 2023 (13th Week Wednesday)