Notes for Project 1

**Objective:**

1. Set up the **backend** for an online store to **buy** items.
2. **Users** can **register** and **login** to **add** **items** to their **cart**.
3. Then they can **place** **orders**.
4. **Registered** **users** are **stored** in the **Users** **table**.
5. **Items** that users can **buy** are **stored** in the **Items** **table**.
6. **User’s** **carts** are **stored** in the **Cart** **table**.
7. **User’s** **orders** are **stored** in the **Orders** **table**.

**Features to be Implemented:**

1. **Register** – register new users (POST)
2. **Login/Logout** – login and logout users (GET)
3. **Get Users/Cart items** – get all users and their cart items
4. **Get Items** – get all items that are available in the store
5. **Add Item** **to Cart** – adds selected item to the cart

**How to implement features:**

1. **Register** – register new users
   1. Have to use Postman for this feature:
      1. localhost:8085/registerUser(must expose this URLs)
         1. Port number can be anyone you chose
   2. It should take in the body similar to what we did for ‘AddProduct’/’SaveProduct’
2. **Login/Logout** – login and logout users
   1. Have to use Postman for this feature:
      1. localhost:8085/login/*username*/*password*
         1. *username* is a parameter
         2. *password* is a parameter
         3. Will probably use a PreparedStatement for this
3. **Get Users/Cart items** – get all users and their cart items
   1. This feature will work in the browser
4. **Get Items** – get all items that are available in the store
   1. This feature will work in the browser
5. **Add Item to Cart** – adds selected item to the cart
   1. Have to use Postman for this feature:

FROM DAVID https://medium.com/javarevisited/lets-develop-an-e-commerce-application-from-scratch-using-java-and-spring-a921f448a93b