

# **CSCI 5448: Object-Oriented Analysis & Design**

## **Project 6**

**Anuj Bhavani Shankar | Rajiv Srivatsava Vangala**

### **Work Done**

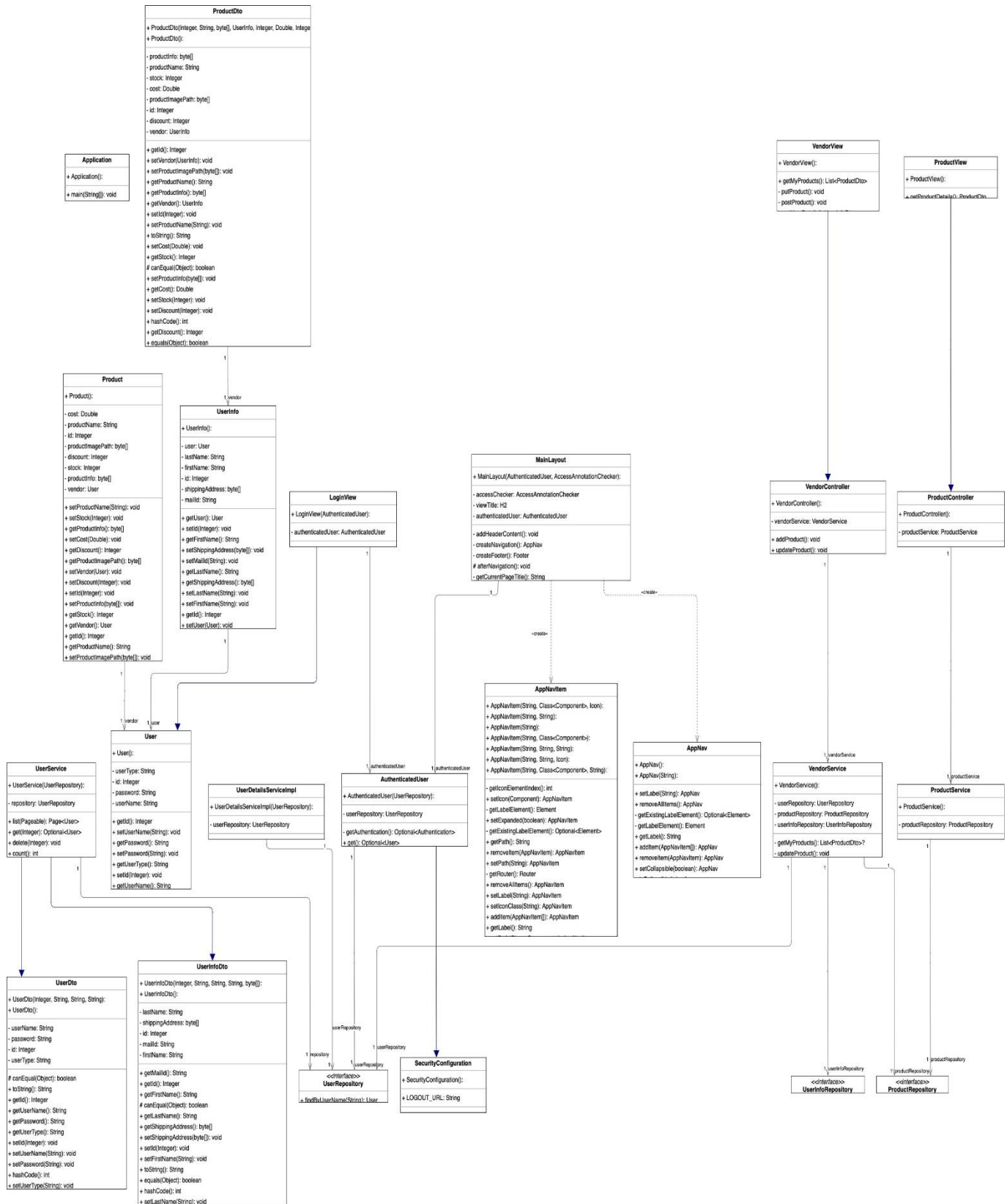
- Project set-up(Rajiv) : This involved setting up the dev environment along with creating database tables with their constraints.
- Login view with Spring security(Rajiv) : This involved creating the landing page for the application, that is, the Login page which was implemented along with Spring security.
- Vendor view(Anuj) : This task involved creating the homepage for a user who Logged in as a Vendor.
- Product view (Anuj) : This included the implementation of a page dedicated to showing the details at a product level.

### **Changes/ Challenges**

- Our initial plan was to use manual authentication but instead decided to go with Spring security due to its superior capabilities.
- As Vaadin was new to both of us, we spent majority of our time in this Sprint understanding its working.

### **Patterns Implemented**

- The loading of the Vendor view uses Composite pattern as the page loads it's child components such as list of products, Add product, etc.
- In the Vendor page, we use Command pattern to execute different actions for user clicks on different parts of the page such as clicking on a product, clicking on add product, clicking on sign out.



### **Plan for next Sprint**

- Currently, we are adding users manually to the database, we'll make the process to be possible through a sign-in page.
- We'll be working on the Customer view which will contain a non-editable version of the product catalog and product views from the Vendor view.
- We'll implement the cart and favorites pages for the customer view.
- We'll implement the Order History for the customer view.