**Name: Uswa Muhammadi**

**Reg no: FA23-BSE-194**

**Assignment: 3**

**Submitted to: Mr. Shahid Bhatti**

**Project Title: COSMETICS SHOP**

Abstract:

This project aims to develop a desktop application for managing a cosmetics shop, providing functionalities for user authentication, product browsing, shopping cart management, and generating receipts. The application is built using JavaFX, a platform for creating rich desktop applications in Java.

The core features of the application include:

**1. User Authentication**: Users can log in securely using their username and password. New users can also sign up for an account.

**2. Product Management**: The application allows users to view a list of available cosmetic products with details such as name, price, and image.

**3. Shopping Cart:** Users can add products to their shopping cart, specifying the quantity of each item.

**4. Receipt Generation:** Upon checkout, the application generates a receipt detailing the purchased items and total amount.

**5. File handling:** Product data and user data is stored in a text file, allowing for easy retrieval and modification.

**6.Exception Handling:** Proper use of exceptional handling where required.