**GIT Department of Computer Engineering**

**CSE 222/505 - Spring 2021**

**Homework 2 Report**

**Burak Yıldırım**

**1901042609**

**1. SYSTEM REQUIREMENTS**

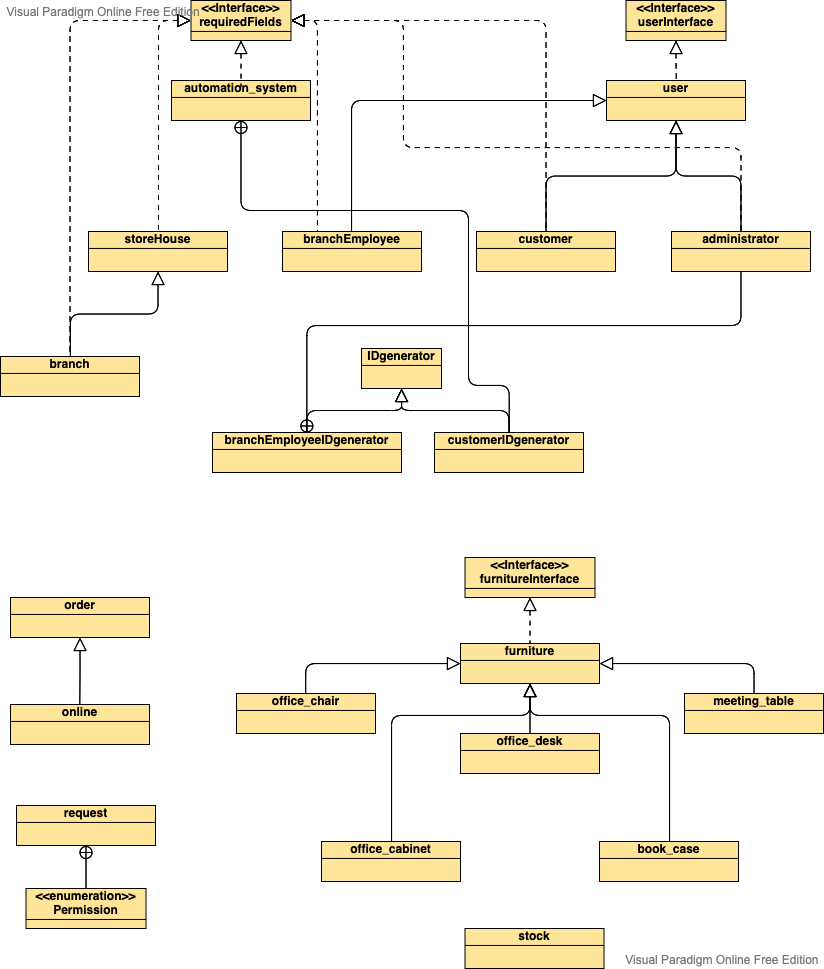
**a. JDK**

You need to download JDK 15 to run this homework.

# b. Files

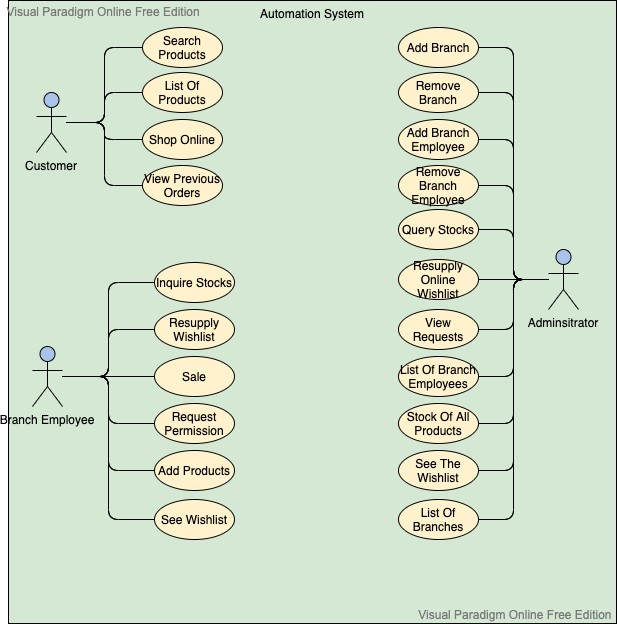
You need default\_branch1.txt, default\_branch2.txt, default\_branch3.txt, default\_branch4.txt, default\_branch\_employees.txt, default\_administrators.txt and default\_store\_house.txt files to initiate the automation system and a menu like driver.java to interact with the system.

**1. USE-CASE AND CLASS DIAGRAMS**



Diagram

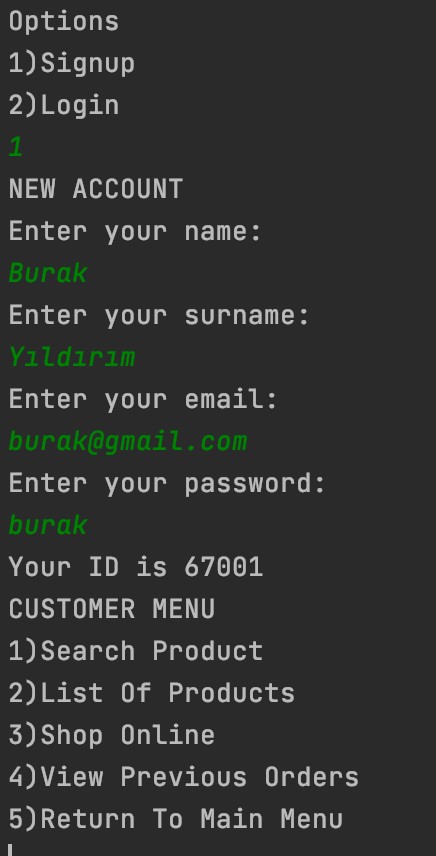
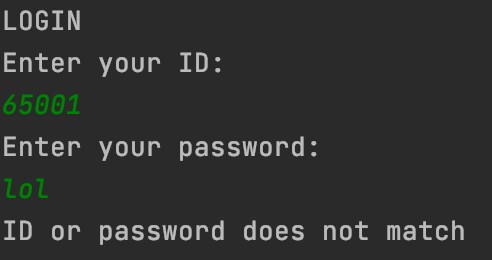
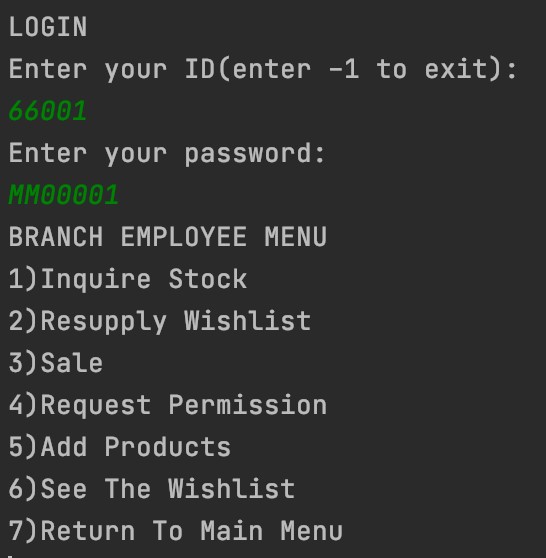
Description automatically generated



# PROBLEM SOLUTION APPROACH

To solve this assignment I created automation\_system, administrator, customer, branchEmployee, branch, storeHouse, branchEmployeeIDgenerator, customerIDgenerator, KWLinkedList, KWArraylist and HybridList classes .

# TEST CASES && RUNNING AND RESULTS



I use a function to check the validity of input so this error catching is valid for all functions that takes user input

Text

Description automatically generated

If customer selects search product and then selects branch stocks

Text

Description automatically generated

If customer selects list of products

Text

Description automatically generated

If customer selects shop online

Text

Description automatically generated

If customer selects view previous orders



If branch employee selects inquire stocks then selects see the stock info of a specified product

Text

Description automatically generated

If branch employee selects sale

Text

Description automatically generated

If branch employee selects resupply wishlist before getting administrator’s permission

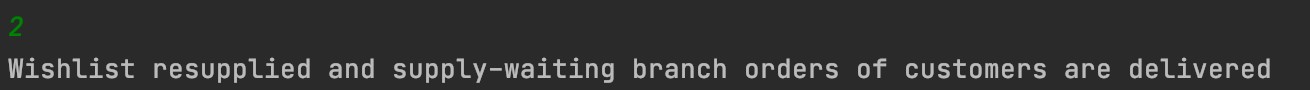


To get the administrator’s permission branch employee should select request permission

Text

Description automatically generated

After getting administrator’s permission

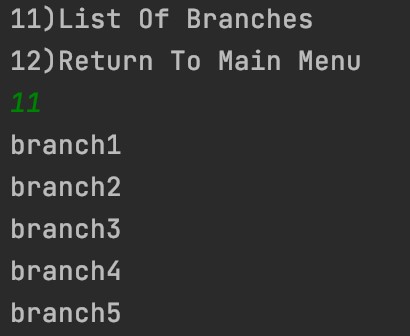
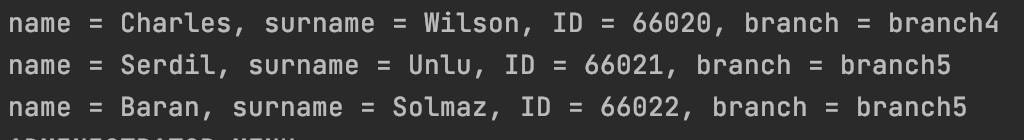


If adminstrator selects add branch

Text

Description automatically generated

After add branch



If administrator selects remove branch employee and enter 66001 as ID Before

Graphical user interface, text

Description automatically generated

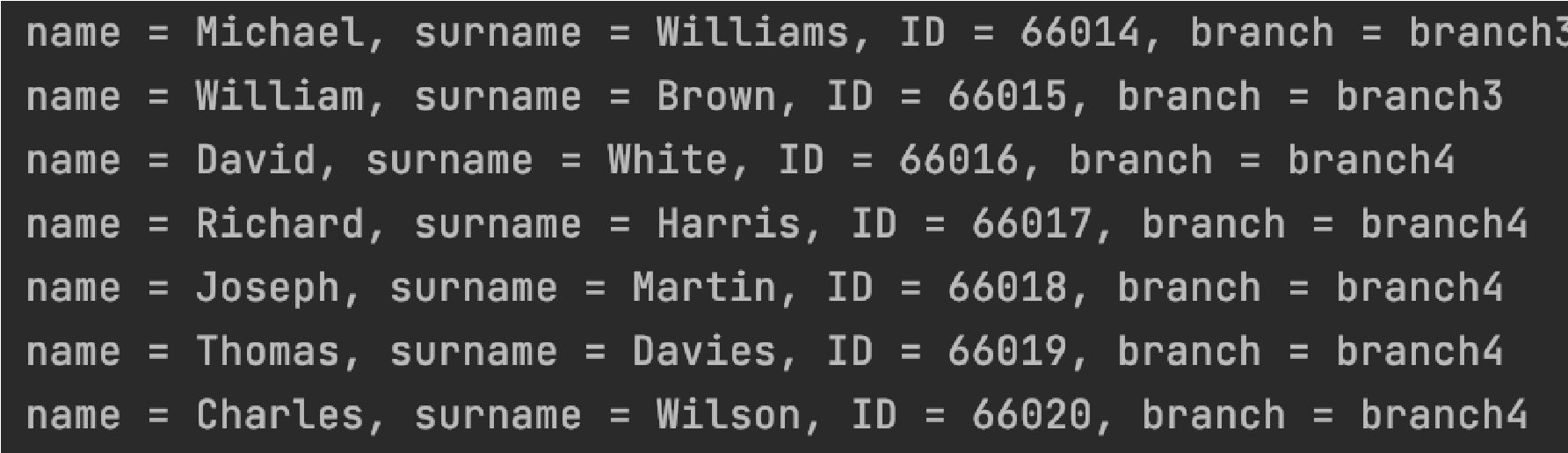
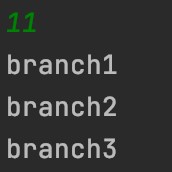
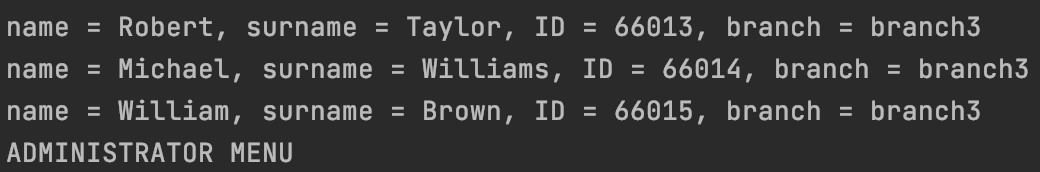
After

Graphical user interface, text, application

Description automatically generated

If administrator select remove branch

Before

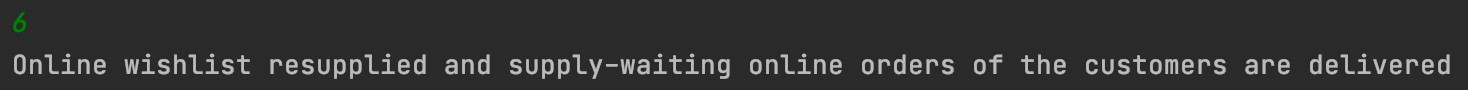


After

Graphical user interface, text, application

Description automatically generated with medium confidence

If administrator selects resupply online wishlist



If administrator selects see wishlist(I do this with seeWishList function and I also use it for branch employee see wishlist option so that this is also valid for branch employee see wishlist option)

