**User Guide**

Table of Contents

[Introduction 2](#_Toc146211353)

[Prerequisites and installation requirements 2](#_Toc146211354)

[Runtime Configuration and Installation Requirements. 2](#_Toc146211355)

[Using the application 3](#_Toc146211356)

[To Order a Computer from Inventory that is from a vendor. 3](#_Toc146211357)

[Order a Custom-Built Computer 3](#_Toc146211358)

[View All Employees in the system. 4](#_Toc146211359)

[Add an Employee 4](#_Toc146211360)

[Update an Employee 4](#_Toc146211361)

[Delete an Employee 5](#_Toc146211362)

[View All Titles 5](#_Toc146211363)

[Add a Title 5](#_Toc146211364)

[Update a Title 5](#_Toc146211365)

[Delete a Title 5](#_Toc146211366)

[View All Customers in the System 6](#_Toc146211367)

[Add a Customer 6](#_Toc146211368)

[Update a customer 6](#_Toc146211369)

[Delete a Customer 6](#_Toc146211370)

[Run a Report 6](#_Toc146211371)

[How to Add an item to inventory 7](#_Toc146211372)

[How to update an item in inventory 7](#_Toc146211373)

[Delete an item from inventory 7](#_Toc146211374)

# Introduction

This document will provide how to run the application the information on how to run, login, access and create orders for custom built, computers built by using InHouse parts or a computer that was purchased from a vendor and is being resold by the company. For evaluation purposes, the program needs to be ran within Intellij.

# Prerequisites and installation requirements

The following items need to be installed and configured in IntelliJ prior to running the application within Intellij. All required software provided in the Required software folder.

# Runtime Configuration and Installation Requirements.

\*\*See Screenshots in the Required Software folder for clarification if needed\*\*

1. Install IntelliJ 2020.3
2. Copy MySQL Database driver 8.0.33.jar file into the following location.
   1. C:\Program Files\Java\mysql-connector-java-8.0.33.jar
3. Add the MySQL JAR file to IntelliJ
   1. File -> Project Structure -> Libraries -> Click the + icon on the window directly to the right of the Project Settings -> Select Java -> Navigate or copy the path from step 3 and click OK
   2. Click OK to add the module to the project
   3. Appy and OK to close the screen.
4. Add the JDK as a Global Library in IntelliJ, pointing to C:\Program Files\Java\jdk-11.0.9\lib
5. Add the SDK and point it to C:\Program Files\Java\jdk-11.0.9
   1. Add java library and point it to C:\Program Files\Java\mysql-connector-java-8.0.33.jar
6. Create a path variable that points to the SDK
   1. File -> Settings -> Appearance & Behavior -> Path Variables
      1. Plus icon
         1. Name: PATH\_TO\_FX
         2. Value: C:\Program Files\Java\javafx-sdk-11.0.2\lib
      2. Click Ok to save.
7. Create a run configuration with the following settings
   1. JDK – Java 11 version 11.0.9
   2. VM options: --module-path ${PATH\_TO\_FX} --add-modules javafx.fxml,javafx.controls,javafx.graphics
   3. Main Class: SLHardwareOrderingSystem.SeanLangiewiczHardwareOrderingSystem
   4. CLI Arguments: --module-path ${PATH\_TO\_FX} --add-modules javafx.fxml,javafx.controls,javafx.graphics
   5. Working Directory: \*Wherever you placed the project on your computer\*
   6. Environmental varialbles: DBHostName=capstoneproject.csbokfylihwe.us-west-1.rds.amazonaws.com

# Using the application

## To Order a Computer from Inventory that is from a vendor.

1. Log into the application using provided credentials.
2. Click “Computer Type Selection”
3. Prebuilt System
4. Select a computer from the selected In-House or Outsourced computers
   1. Note, when searching, search by Name, then click the search button
5. You can view the details of a computer by selecting a computer and click the View details button on the corresponding selected computer. You will NOT be able to make changes to the prebuild computers here.
   1. When viewing the details, click the back button to go back to the list of all prebuilt computers
6. Select a customer from the drop down, then select Purchase Selected Computer.

## Order a Custom-Built Computer

1. Within the Computer Type Selection Screen, select Custom Order System
2. Start Custom Order
   1. Note when viewing the available hardware, you can search. Please only search by the name of the product.
3. Select an available case and click view details
4. Select Add to Build.
5. Repeat the process for motherboards, processors, RAM, Power Supplies and Graphics Cards.
6. Once done, the screen will display all selected items, please select an employee to build the computer and a customer to sell it to, then select Complete Order. Once done, it will take you back to screen selection.

## View All Employees in the system.

1. At screen selection, select Employees.
2. Here you can view, add, update, and delete an employee from the system

## Add an Employee

1. From the All Employees Screen, select Add Employee
2. Fill out all required information. The employee ID is auto-generated.
3. Select a title from the list
4. Click Save

## Update an Employee

1. From the All Employees Screen
2. Select the employee you want to update, then click Update Employee
3. All current information is automatically filled, make requested updates, then select Update.

## Delete an Employee

1. At the All Employees Screen
2. Select an Employee, then click Delete Employee

## View All Titles

1. At Screen Selection, select titles
2. Here you can view all titles in the system and the salary that goes with them.

## Add a Title

1. At the All Titles Screen, select Add a Title
2. Enter the title name and the salary.
   1. Note: The title ID will auto-increment.

## Update a Title

1. At the All Titles Screen.
2. Select a Title, then click Update Title
3. Updated information as needed, then click Update Title

## Delete a Title

1. At the All Titles Screen
2. Select the title you want to delete, then click Delete Title

## View All Customers in the System

1. Screen Selection, then select All Customers

## Add a Customer

1. At the All Customers Screen, click Add Customer
2. Fill out all information.
   1. Note: Customer ID is auto-incremented.
3. Click Save when done.

## Update a customer

1. At the All Customer Screen.
2. Select a customer, then select Update Customer
3. Update needed information, then select Update to save

## Delete a Customer

1. At the All Customer Screen
2. Select a customer, then select Delete Customer

## Run a Report

1. To run a pre-configured report, from Screen Selection, select Reports
2. From here you can view a handful of reports
   1. Select an employee, then select a time period to see how many computers that employee has sold within the selected time period.
      1. Note: Time periods are respective to the current day.
   2. Click Get Report once the employee and time period have been selected.

## How to Add an item to inventory

1. From Screen Selection, select Hardware Inventory Actions
2. Click add on the item in the right column that you want to add to inventory.
3. Fill out all information and click add. All numbers are auto-incremented.

## How to update an item in inventory

1. From Screen Selection, select Hardware Inventory Actions
2. Click the “View All” for the item in inventory you want to update.
3. All items for the selected item will display and you can search for a specific item by name.
4. Select the item you want to update and click View Details
5. When updating an item, details of the selected item will be automatically added to the text fields.
   1. To update an InHouse item, use the provided drop downs to select a part from inventory to update the InHouse prebuilt selection.
6. When done updating the item, click update and the changes will be saved.
7. Once done updating an item, you will be directed by to the Inventory Actions Screen.

## Delete an item from inventory

1. From the Inventory Actions Screen
2. Select the View All button in the left column to view all the selected item.
3. From the list of all items, select the item, then click the delete button.