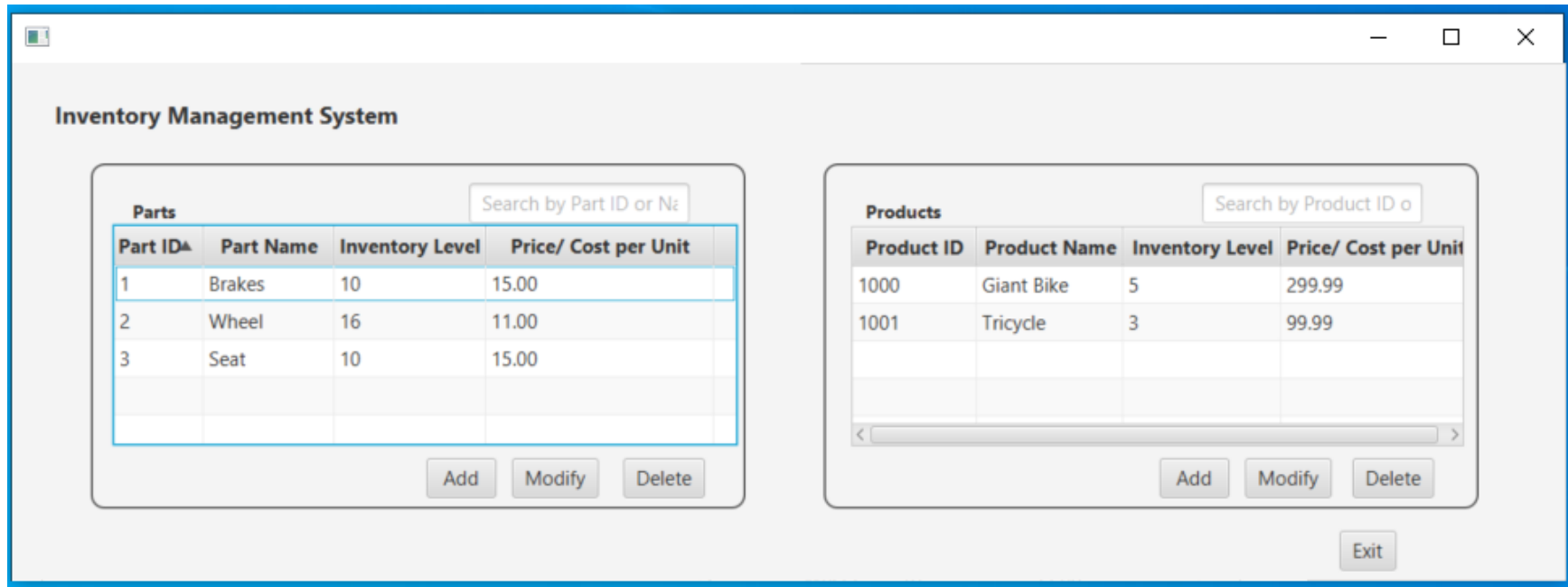


Software 1 GUI Mock-Up

1. Main form




The main form is titled "Inventory Management System". It features two side-by-side panes. The left pane is titled "Parts" and contains a search field labeled "Search by Part ID or Name". Below the search field is a table with four columns: "Part ID", "Part Name", "Inventory Level", and "Price/ Cost per Unit". The table contains three rows of data: (1, Brakes, 10, 15.00), (2, Wheel, 16, 11.00), and (3, Seat, 10, 15.00). Below the table are three buttons: "Add", "Modify", and "Delete". The right pane is titled "Products" and contains a search field labeled "Search by Product ID or Name". Below the search field is a table with four columns: "Product ID", "Product Name", "Inventory Level", and "Price/ Cost per Unit". The table contains two rows of data: (1000, Giant Bike, 5, 299.99) and (1001, Tricycle, 3, 99.99). Below the table are three buttons: "Add", "Modify", and "Delete". At the bottom right of the main form is an "Exit" button.

Part ID	Part Name	Inventory Level	Price/ Cost per Unit
1	Brakes	10	15.00
2	Wheel	16	11.00
3	Seat	10	15.00

Product ID	Product Name	Inventory Level	Price/ Cost per Unit
1000	Giant Bike	5	299.99
1001	Tricycle	3	99.99

The Main form contains a Parts pane and a Products pane with TableViews of parts and products; a search field; buttons to add, modify, and delete parts and products; and an Exit button as described in the assessment.

2. Add Part form

—□×

Add Part☒ In-House☐ Outsourced

ID

Auto Gen- Disabled

Name

Brakes

Inv

15

Price/Cost

12.99

Max

20

Min

1

Machine ID

111

Save


Cancel

The screenshot shows a window titled "Add Part" with standard window controls (minimize, maximize, close). Inside the window, there are two radio buttons: "In-House" and "Outsourced". The "Outsourced" radio button is selected. Below the radio buttons, there are several input fields: "ID" (with a disabled "Auto Gen- Disabled" button), "Name" (containing "Rim"), "Inv" (containing "15"), "Price/Cost" (containing "56.99"), "Max" (containing "20"), "Min" (containing "1"), and "Company Name" (containing "Super Bikes" and highlighted with a blue border). At the bottom right, there are "Save" and "Cancel" buttons.

Two views of the same form are shown—one for each of the radio buttons. The user has the option to select In-House or Outsourced to categorize the part. If the user selects Outsourced, the Company Name field is available. If the user selects In-House, the Machine ID field is available. The Inv field stores the number of units of the product that the company currently have available. The Min field stores the requirement for the minimum number of product items that must be available by the company at any given time, and the Max field

denotes the maximum number of product items that the company can store. The values of the field Inv, therefore, must be integers between the values stored in the fields Min and Max.

3. Modify Part form

—□×

Modify Part ☒ In-House ☐ Outsourced

ID

1

Name

Brakes

Inv

15

Price/Cost

12.99

Max

20

Min

1

Machine ID

111

Save

Cancel

Modify Part ☒ In-House ☐ Outsourced

ID

Name

Inv

Price/Cost

Max Min

Company Name

Two views of the same form are shown—one for each of the radio buttons. The user has the option to select In-House or Outsourced to categorize the part. If the user selects Outsourced, the Company Name field is available. If the user selects In-House, the Machine ID field is available. The Modify Part form has the same functionality as the Add Part form, but the fields are populated with data that was previously entered and saved. The ID field is still disabled but now displays the selected part's ID.

4. Add Product form

5. Modify Product form

