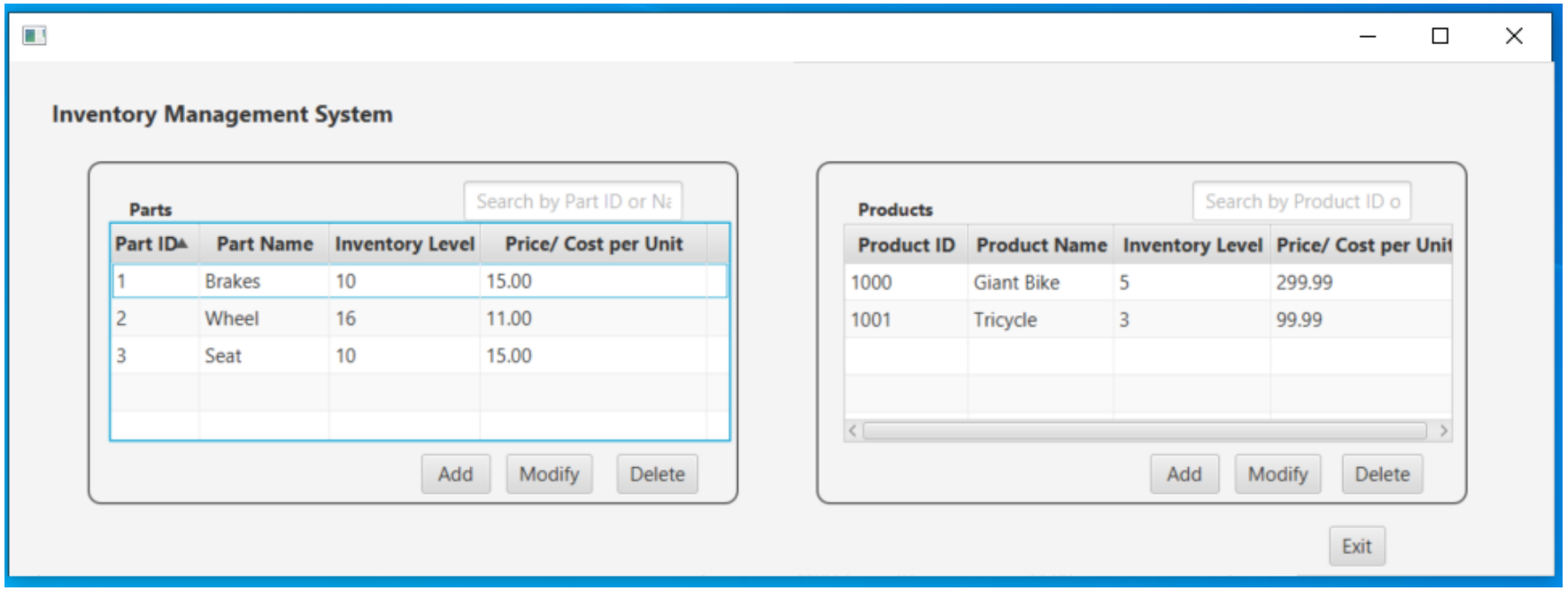
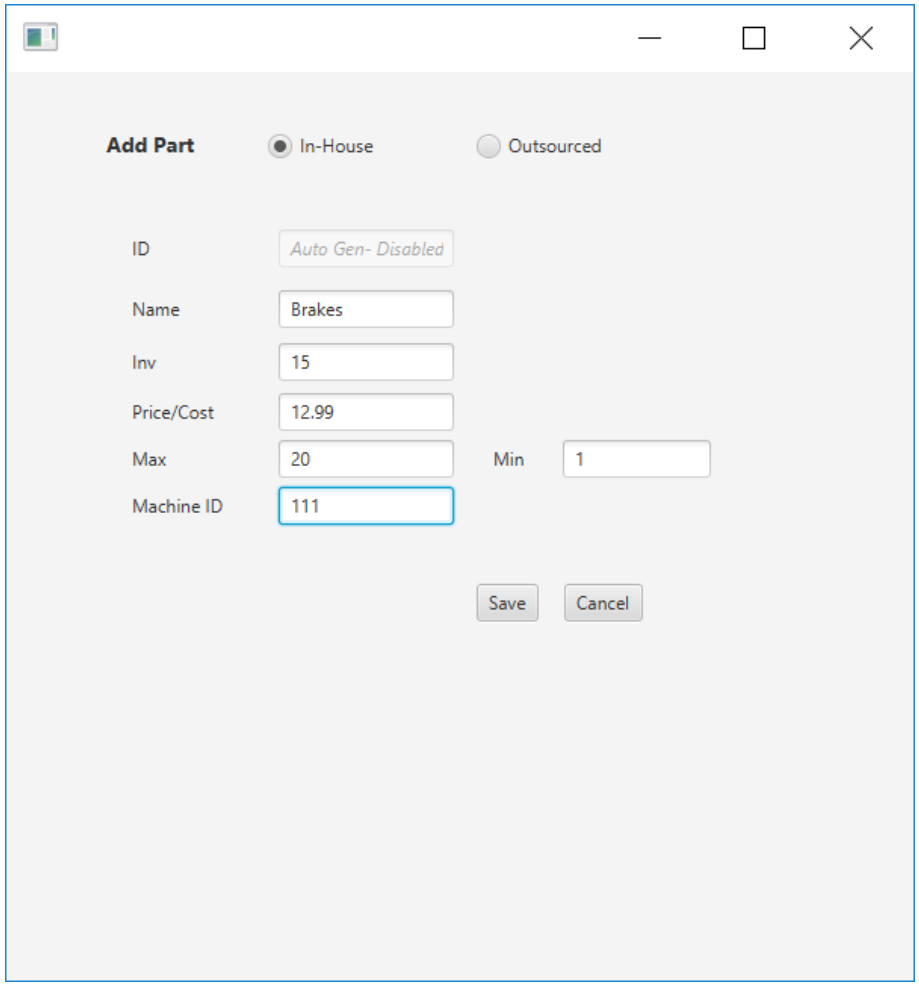
Software 1 GUI Mock-Up

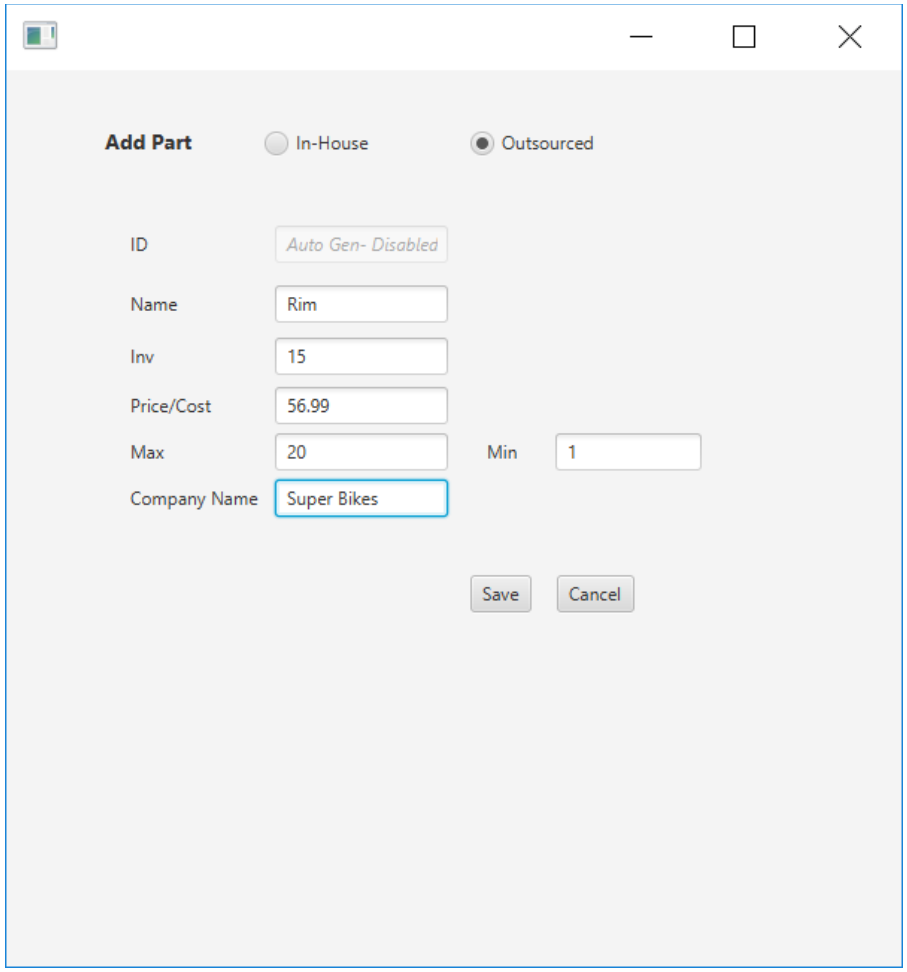
1. Main form



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

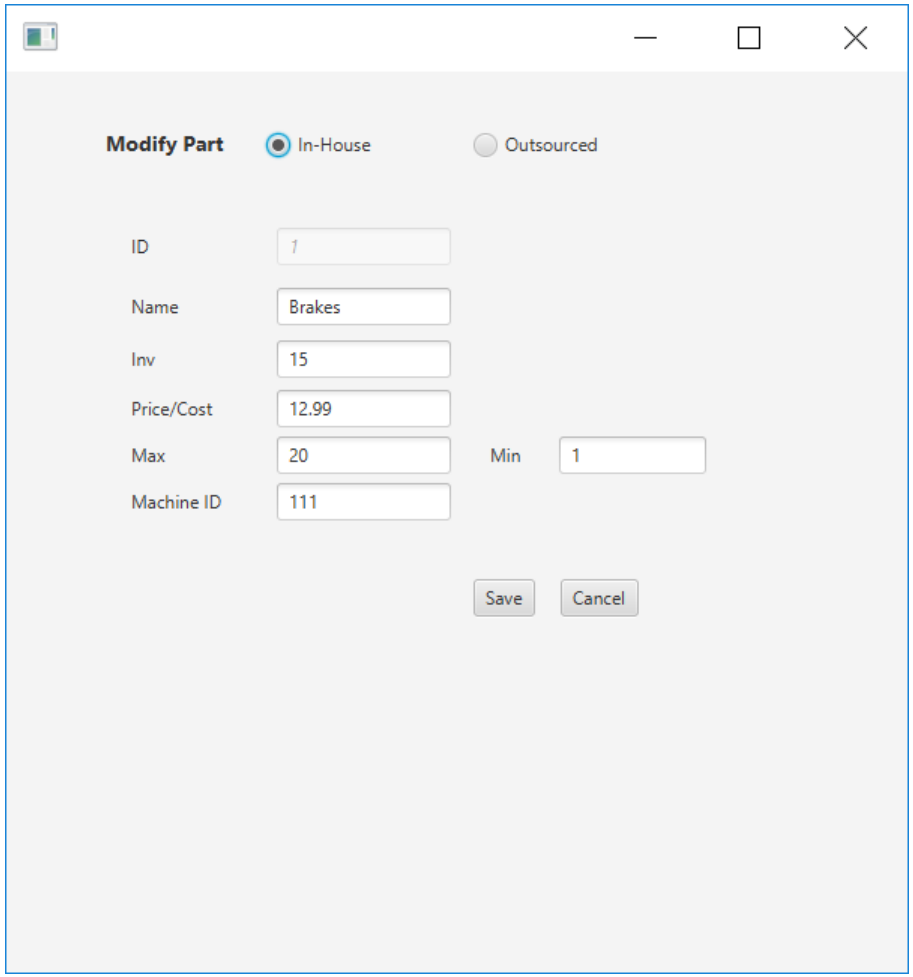

Add Part
In-House
Outsourced
ID
Auto Gen- Disabled
Name
Brakes
Inv
15
Price/Cost
12.99
Max
20
Min
1
Machine ID
111
Save
Cancel

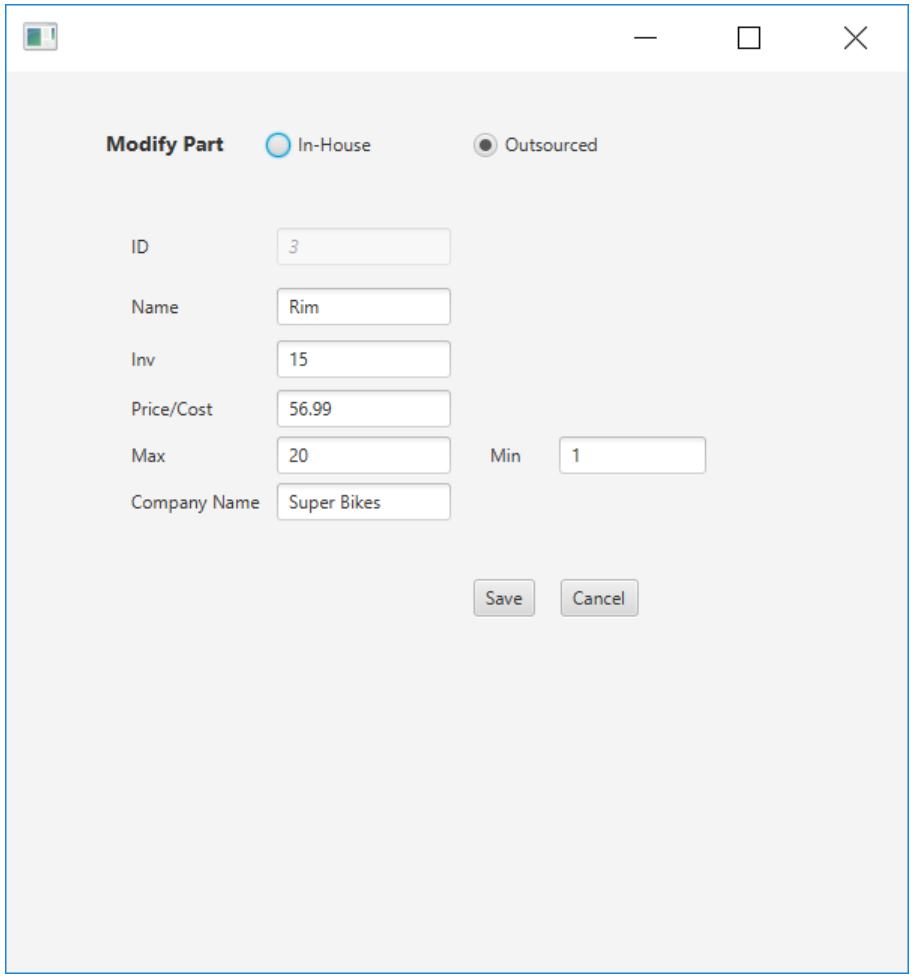


Two views of the same form are shown—one for each of the radio buttons. The user has the option to select In-House or Outsourced to categorize the part. If the user selects Outsourced, the Company Name field is available. If the user selects In-House, the Machine ID field is available. The Inv field 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 filed Inv, therefore, must be integers between the values stored in the fields Min and Max.

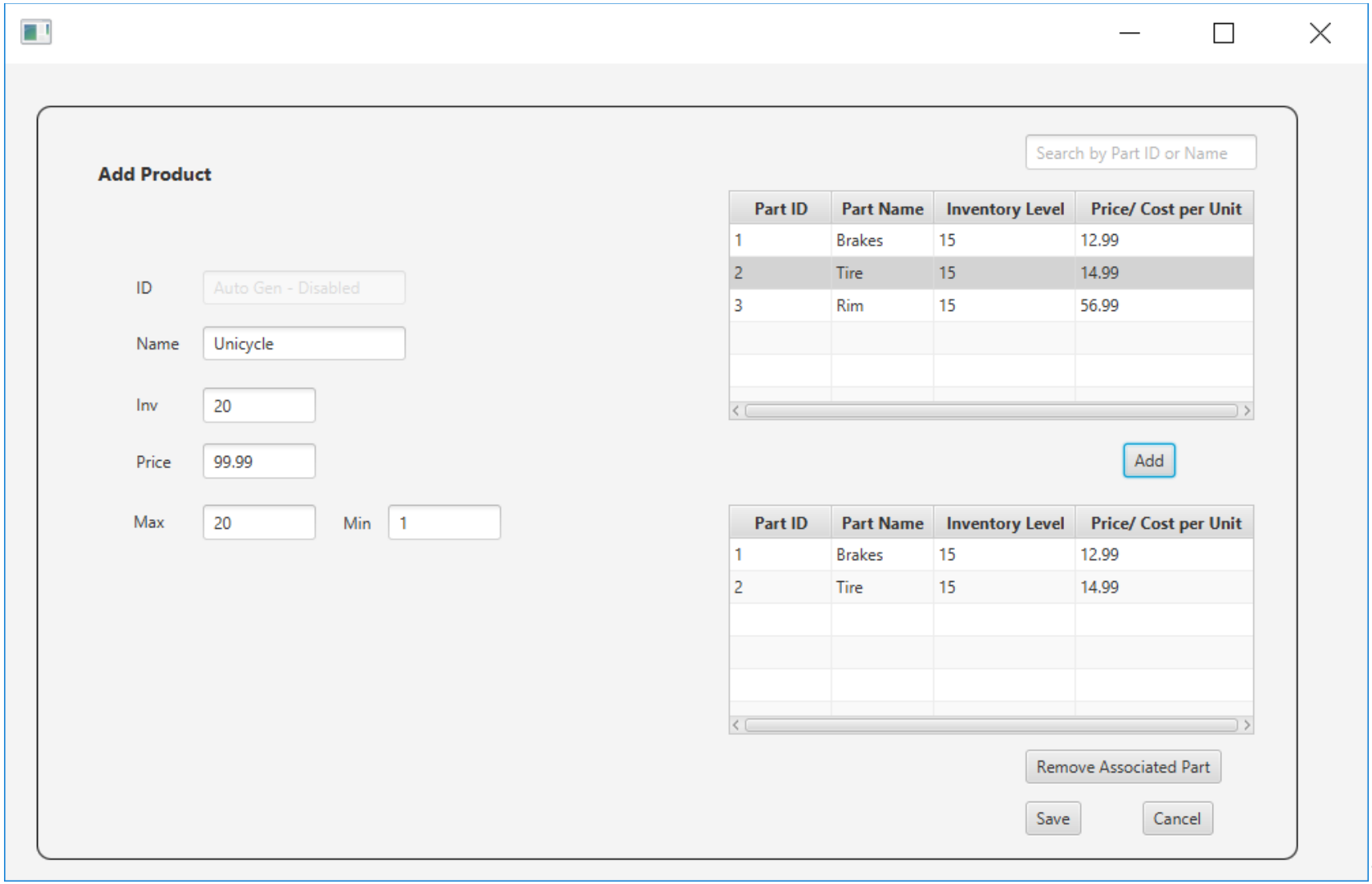
3. Modify Part form


Modify Part
In-House
Outsourced
ID
1
Name
Brakes
Inv
15
Price/Cost
12.99
Max
20
Min
1
Machine ID
111
Save
Cancel



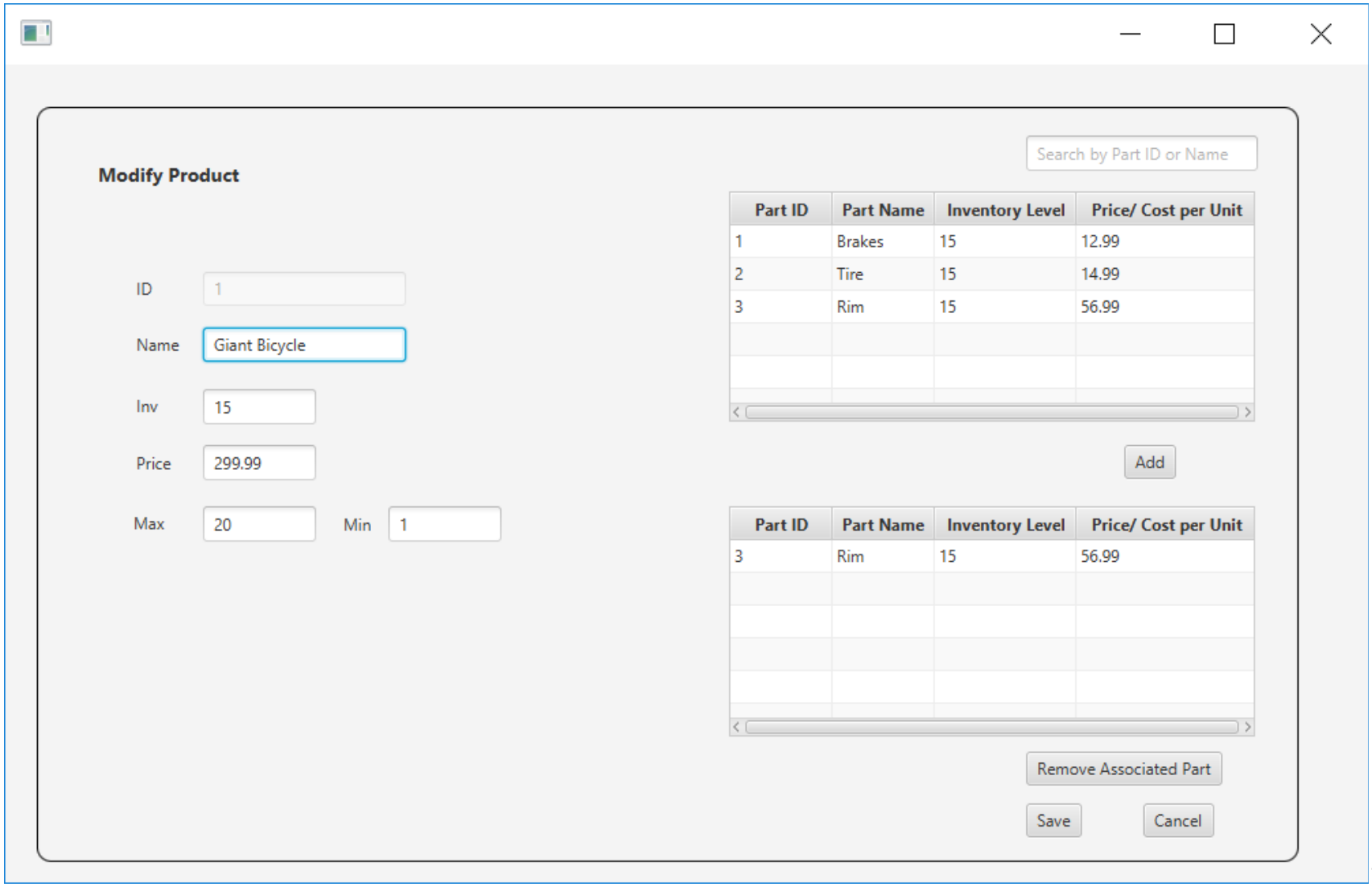
Two views of the same form are shown—one for each of the radio buttons. The user has the option to select In-House or Outsourced to categorize the part. If the user selects Outsourced, the Company Name field is available. If the user selects In-House, the Machine ID field is available. The Modify Part 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



The Add Product form contains product information, a top TableView containing all the part data to choose from, and a bottom TableView with the associated part data.

5. Modify Product form



The Modify Product form has the same functionality as the Add Product form, but the parts and fields are populated with data that was previously entered and saved.