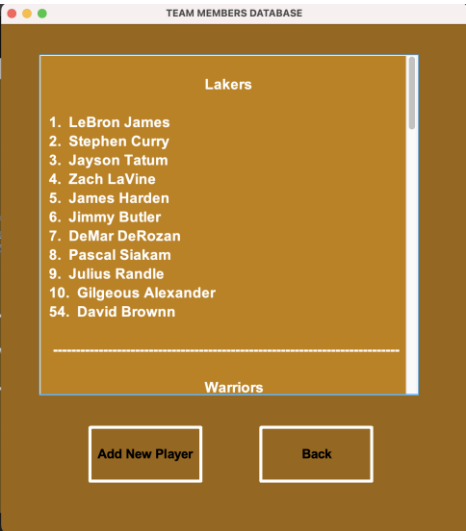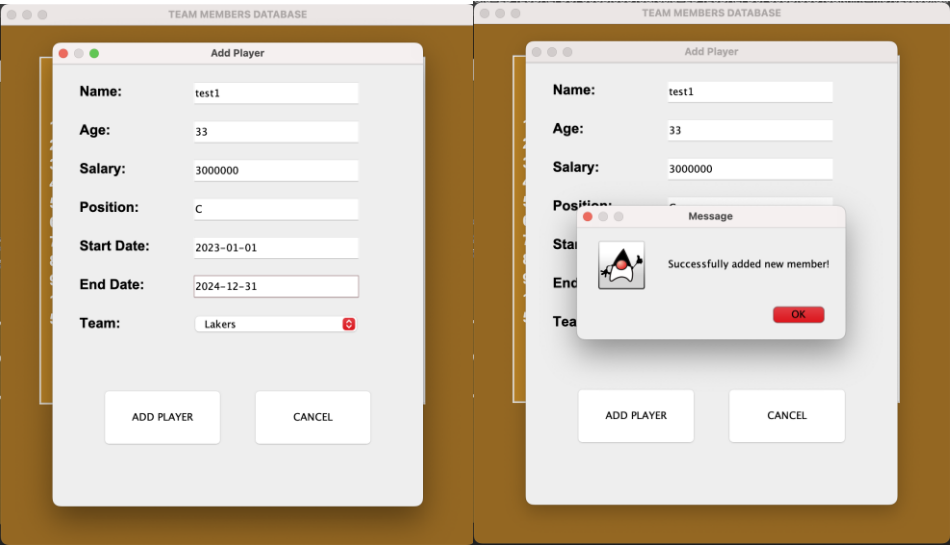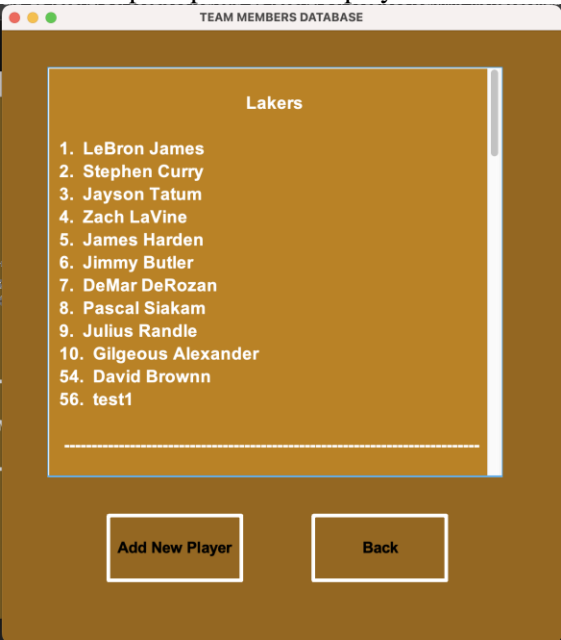## Insert Operation:

Before:

The user first clicks add new player.

During:

The user enters corresponding values of the new player and clicks add player, then the successful prompt shows the player is added to the database.
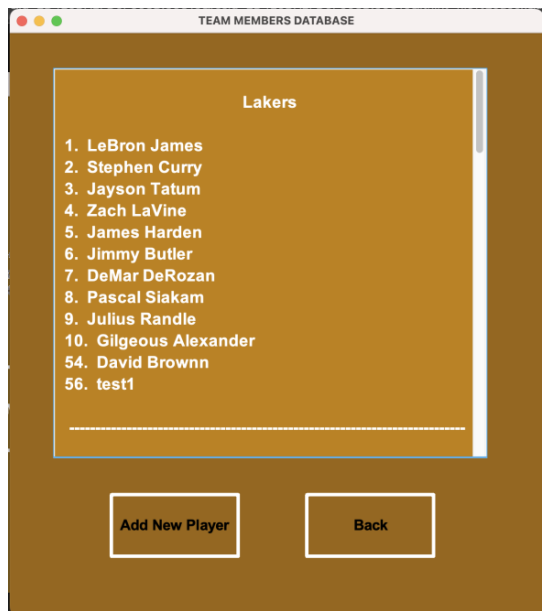
After:

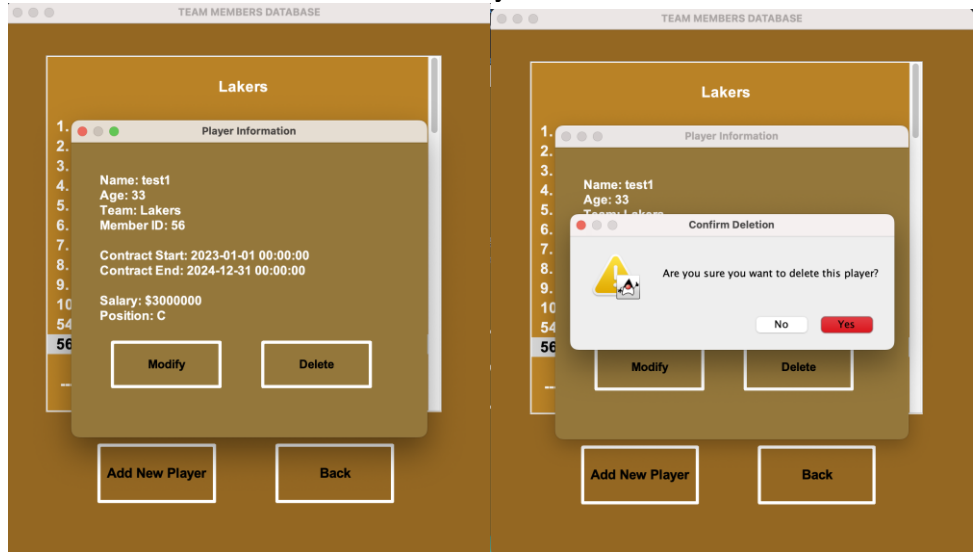We can see that test1 has been added to the Lakers roster.

Delete Operation:

Before:

The user first clicks the team member they want to delete.

During:

Then the user clicks the delete button and is prompted with confirmation. If they click "Yes" the selected team member will be deleted from the database.
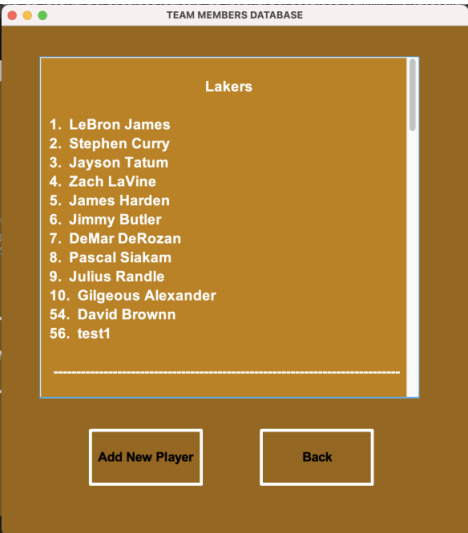

After:

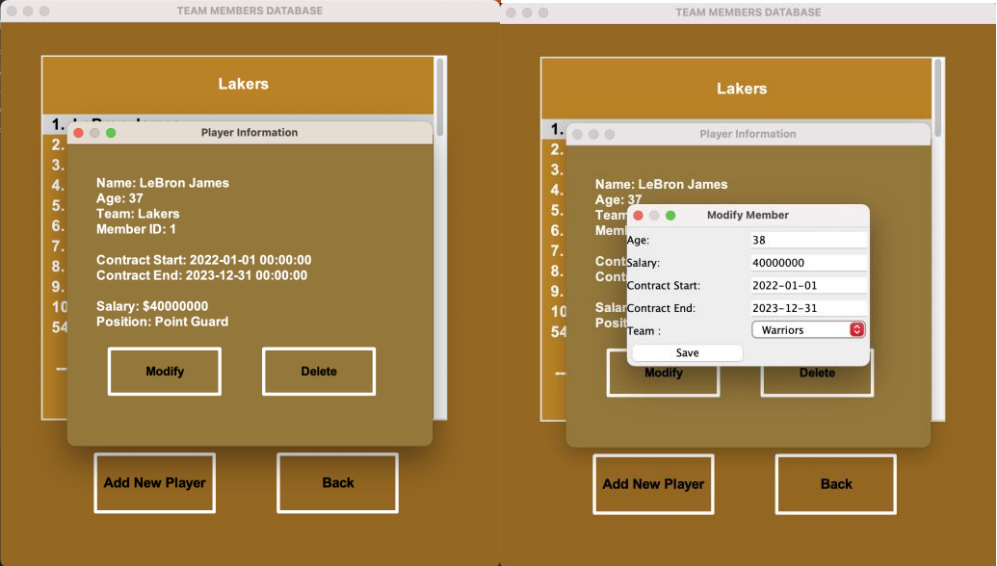We can see that test1 has been deleted from the Lakers roster.
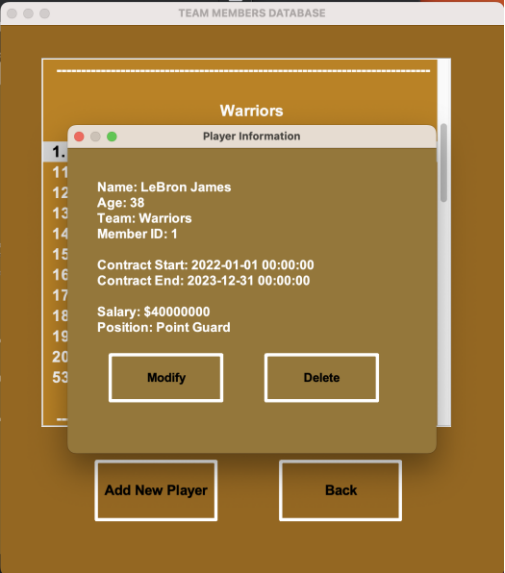
Update Operation:

Before:

The user first clicks the team member they want to update.

During:

Then the user clicks the modify button and can modify attribute of that player, here we changed Lebron James's age to 37 and his team to the Warriors

After:

We can see that Lebron James's team and age have been updated to the given values.
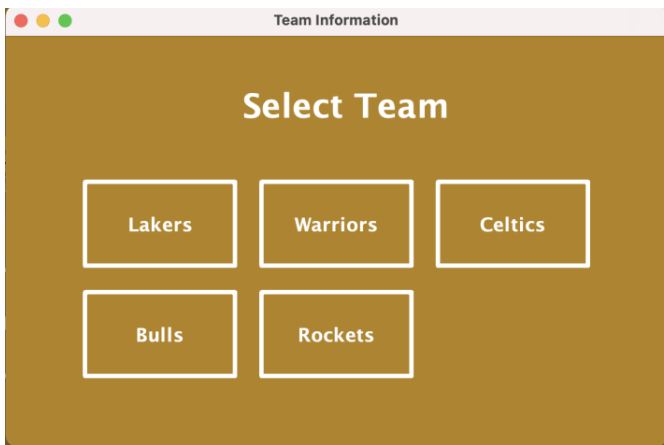
Selection Operation:

Before:

The user first clicks team information.

During:

Then the user clicks which team's information they would like to see.
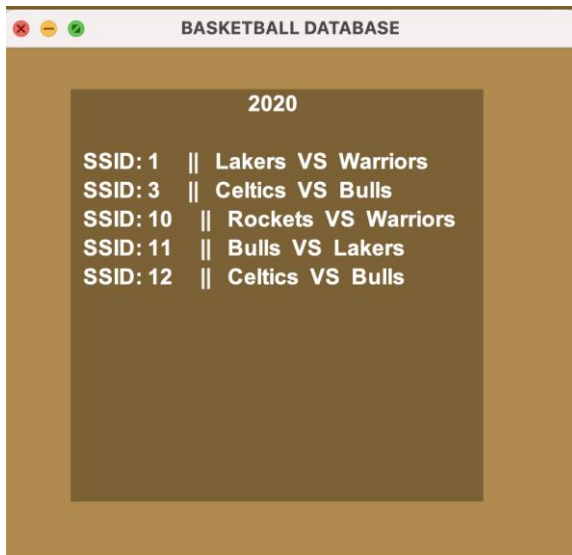
After:

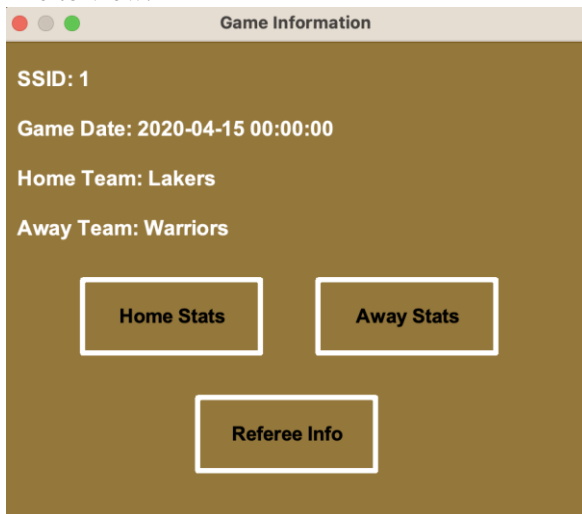Here the user selects the Lakers and the team's information is displayed.
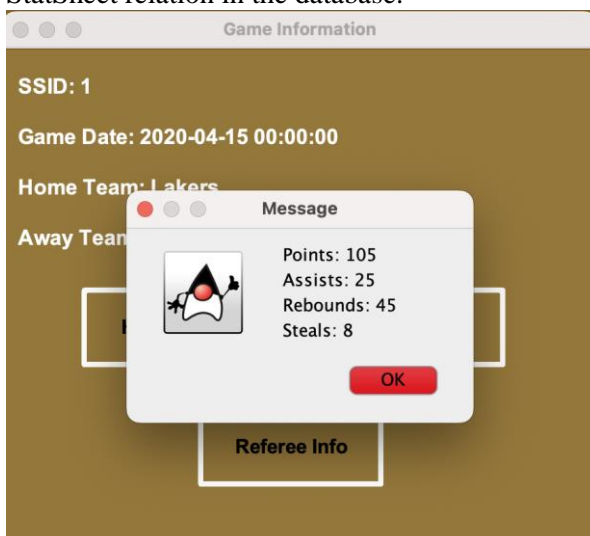
Projection Operation:

Before:

The user first navigates to game information and selects the team's game stats they would like to view.

During:

Then the user clicks the Home Stats or Away Stats to get those attributes from the StatSheet relation in the database.

After:

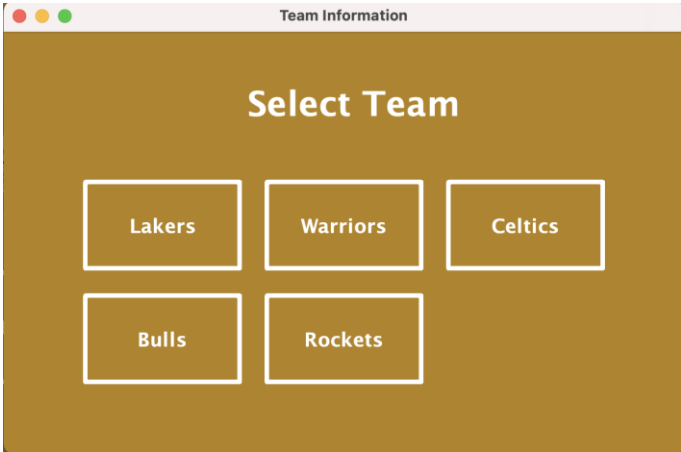Here the user clicked the Home Stats button and only home stats are returned.

Join Operation:

Before:

The user first clicks the team information.

During:

Then the user clicks the teams information they would like to see.

After:

Here we join the sponsors and team table to display the a given team's sponsors name and contributions.

Aggregation with GROUPBY Operation:

Before:

The user first navigates to the Team information tab, here we note the total salary which is salaries for all players summed up.

During:

Then the user can add a new player, here we add a player "test1" with salary $12345.

After:

Here we can see the salary of the player we just added is added to the total salary.