CSE 360 – PROJECT 1

SunDevil Pizza
Group 33

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Project Overview:

Functional Requirements:

- Project should be written using JAVAFX.

  We will be able to construct rich client applications that work reliably across a range of platforms by designing, building, testing, debugging, and deploying them using JavaFX, a collection of graphics and media packages. Which is also going to help us in constructing our project this semester.

- Users can select Pizza Type.

  In our project, we thought of a pizza restaurant which will have a variety of selections of all types of pizza. That would ease the process of choosing the pizza type for the customer and it will include all available options. A build your own pizza option will be added later on, in order to let the user have the freedom to choose the pizza base and his favorite toppings and components of the pizza as well as the way he/she wants their pizza baked weather hand toasted or brooklyn style.

- Users can add zero or multiple toppings to the pizza.

  We considered a pizza business that would provide a variety of toppings for the pizza when thinking about the toppings. That would make it simpler to top the pizza with a zero or several toppings. This, in the end, would raise consumer satisfaction.

- Project should show the calculated price.

  The procedure should be accelerated and automated by using a computer that calculates everything, including the varieties of pizza, toppings, and other items that will be added in the future. It's an improvement over paper-based systems, which nevertheless rely heavily on manual data entry. The software we created may really save you time by eliminating manual tasks and giving you access to the most recent data needed to operate your business effectively.

- Users should see the item's record.

  The user's ability to view and be familiar with the item record is one of our functional requirements. The user would then have the choice of changing the order or not. and to view the order's total value. That will also assist us in improving our inventory. We can observe which orders are in high and low demand, which will greatly help us in developing a better understanding of our clients.

- Admin can change the status of an item.

Once we have received all of the feedback about the earlier functional requirements. We'll be able to make the necessary adjustments and status changes for any of our merchandise. We can keep track of the stock and determine whether there are any shortages.

Non Functional Requirements:

- Project should have an interactive interface.

  There are many different approaches we may utilize to offer our experience for the end-user across the user interface design. However, the interactive interface is designed to make the system features easy to understand, access and use the functions. We are trying to build an environment that makes the user gain more control over the application. The interface will have plenty of options that can make users easily utilizing the functions that are included in the interface.

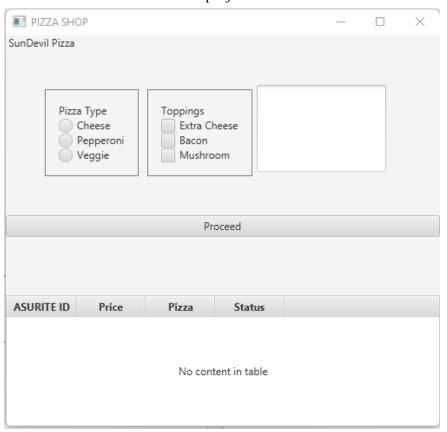- Project should have a user-friendly interface.

  If your product is well-designed and has an easy-to-navigate interface, search time will be reduced, and consumers will be able to satisfy their demands faster and more efficiently. This results in increased productivity for both the user and the brand. The interface should be easy to use and understand and also have many choices that customers might want to use such as customizing orders and adding notes. It will make the program more user friendly and complex to program at the same time but increase the satisfaction of the user by having more control over the application. We will try to make the application more reliable and keep you away from the need to go to the store to start the user order to save time for both the customer and the store employees.
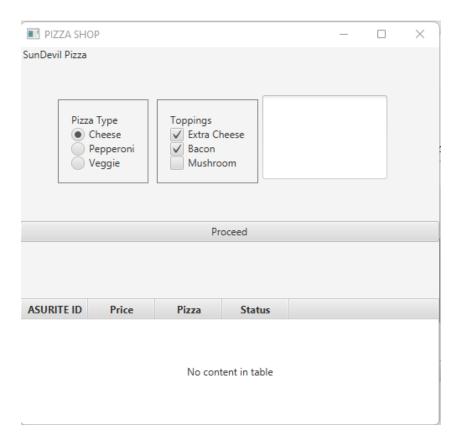
- Project Future updates:

  The next update will be launched around the 29th of September **SunDevil Pizza 1.0.2**, the update will include a number of patches for some bugs that were discovered by our Information Technology team which is led by the leader Waleed. Furthermore, some features will be added on the next update **1.0.2**. The user will have the ability to choose the time to pick up his/her order and also send a gift card to other customers. And a feature of pizza delivery will be added on. And for sure for the purpose of increasing the safety of the user information there will be no access from the store to see the clients information rather than the order and the name of the customer. The payment method will be totally secured and prevented from any insider or outsider access. The last thing that we will add to our application is the technical support chat to ensure that the customer can use our interface appropriately without any problems or discomfort, and to solve any obstacles that the user might face while using the application. Any problem that comes to our attention through our Technical support team will be reported. And after that it will be fixed in the next patch which will be announced later on.

Project Walkthrough:
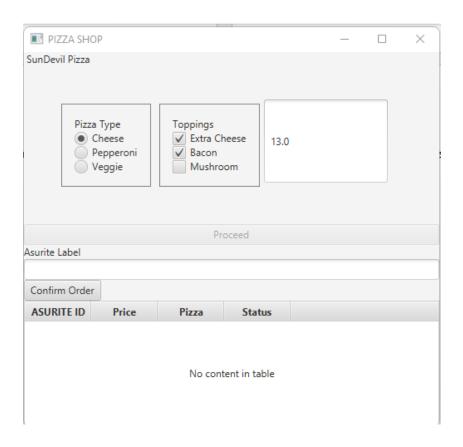
The first main screen when the project is executed:

Here customer can select Pizza Type with the optional toppings, Multiple toppings can be selected:
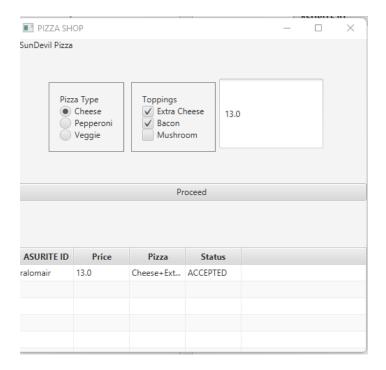
PIZZA SHOP   —   □   ✕

SunDevil Pizza

Pizza Type   Toppings
● Cheese   ☑ Extra Cheese
○ Pepperoni   ☑ Bacon
○ Veggie   ☐ Mushroom

Proceed

ASURITE ID	Price	Pizza	Status	

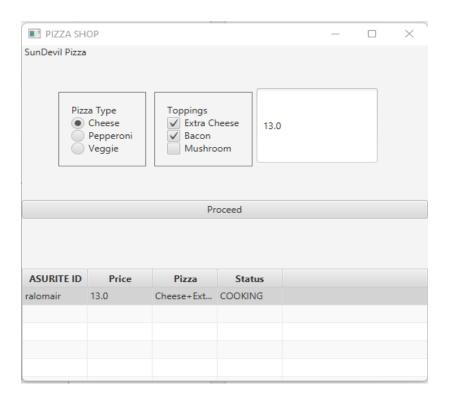No content in table

When proceeded:

The price will be calculated and ASUREITE will be asked from user:
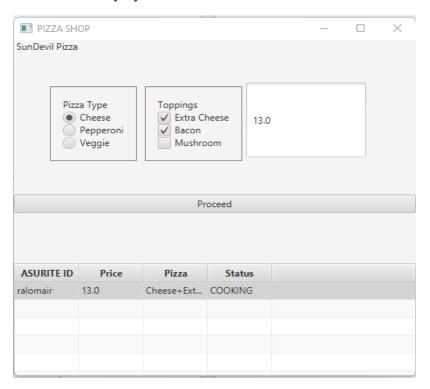

Once the ASUREIT is entered, it'll add the item to the table.

User can also change the status of currently added item:

The table is fully dynamic and can be resized and sorted:

Credit Sheet:

Team member names	Contributions
Faisal Alfawaz	%20 of the work
Mazen Alzahrani	%20 of the work
Waleed Altamimi	%20 of the work
Rakan Al Omairi	%20 of the work
Saleh Alkredes	%20 of the work