

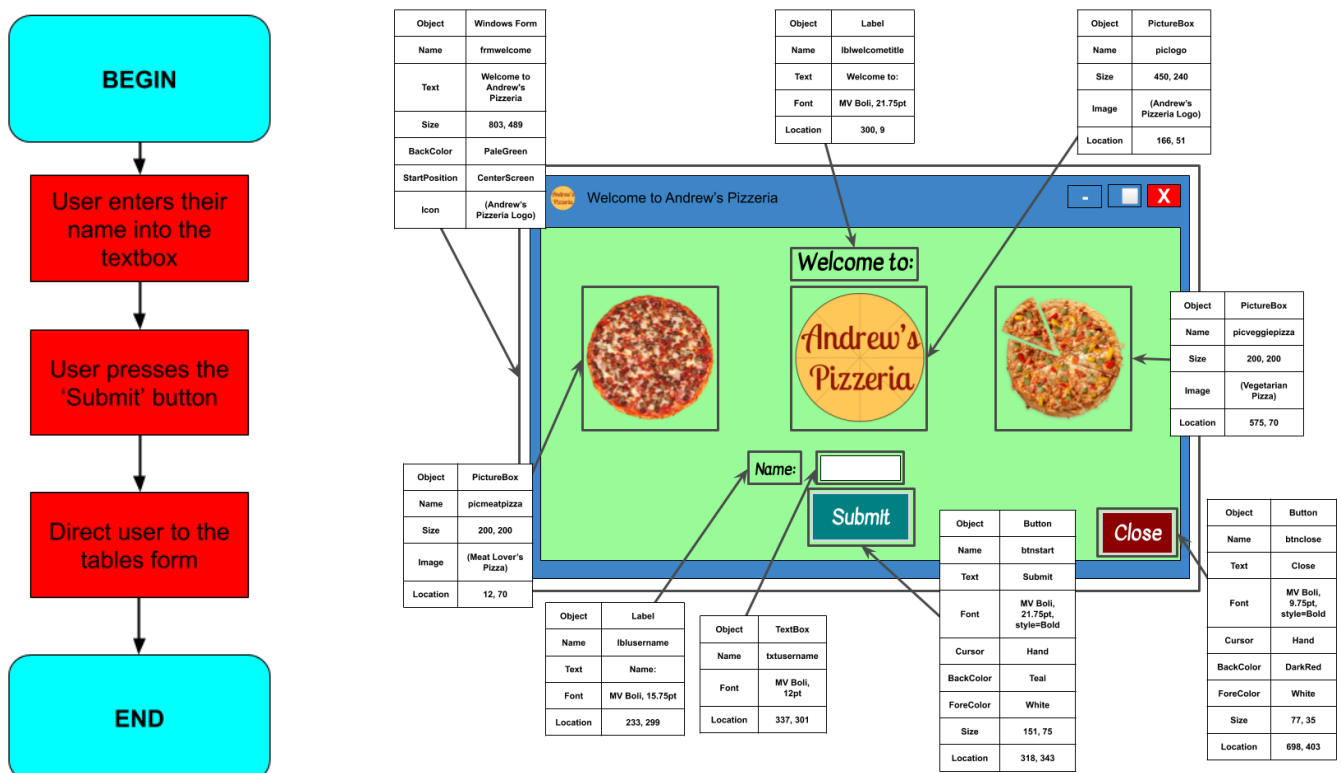
# Restaurant Booking System Programming Portfolio - Andrew Youssef

## ★ Define the Problem:

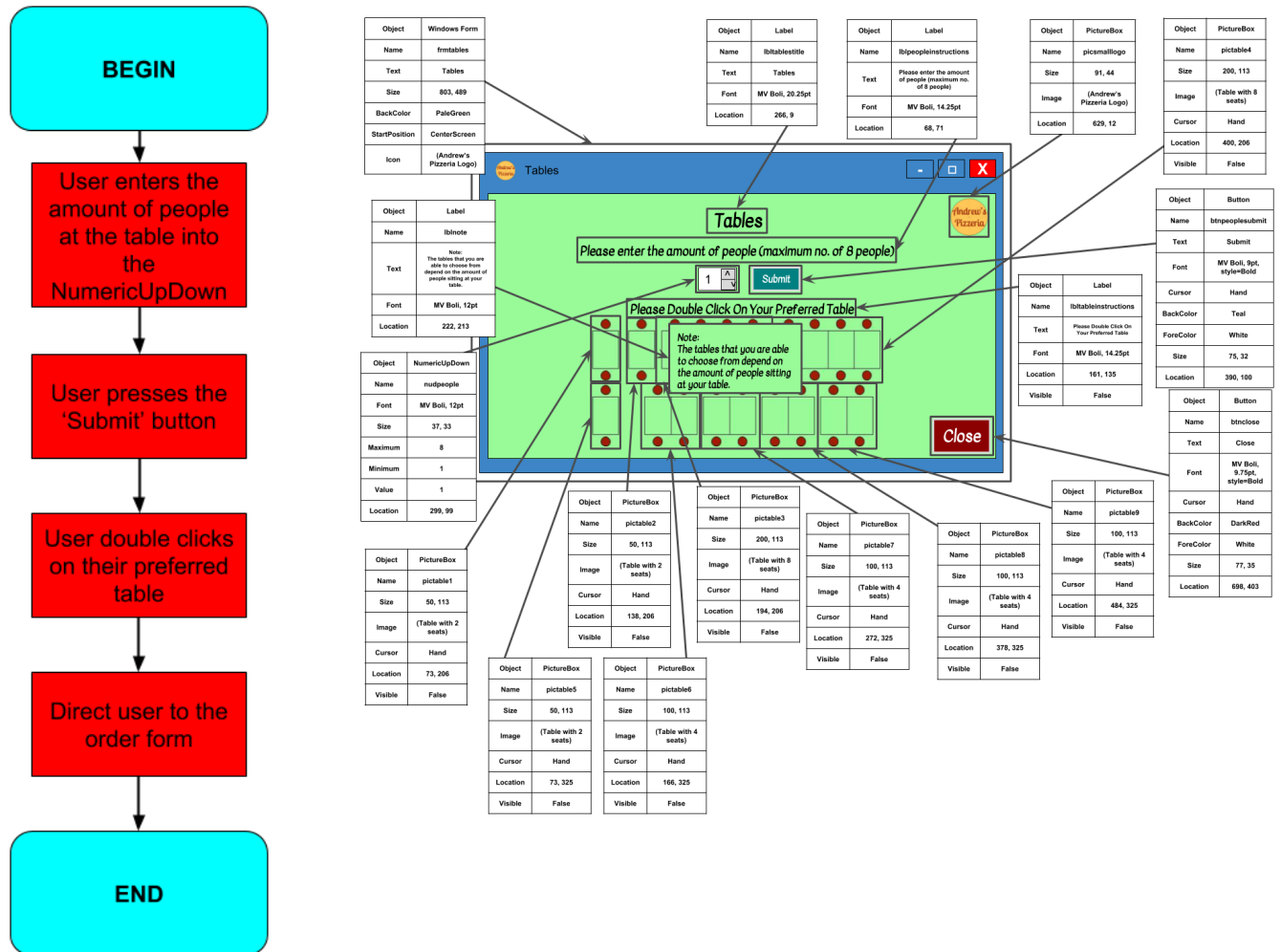
The Restaurant Booking System is targeted to people between the ages 16-40. This program lets the potential customer choose their seat at “**Andrew’s Pizzeria**”. The tables that are available to the user is dependant on the amount of people that are attending, this ensures that big tables won’t be wasted on small groups of people. The order form of “**Andrew’s Pizzeria**” offers an extensive list of foods and beverages. With the mains, toppings can be either added or removed. The extras and removals sections of the menu are only visible when any of the meals have been added to the order. Once the order is complete, the user is directed to the confirmation form, this shows the user the total price for each of the categories and the total sum, including GST. This age group was chosen because people of these ages commonly order their food online through applications like this Restaurant Booking System.

## ★ Design the Solution

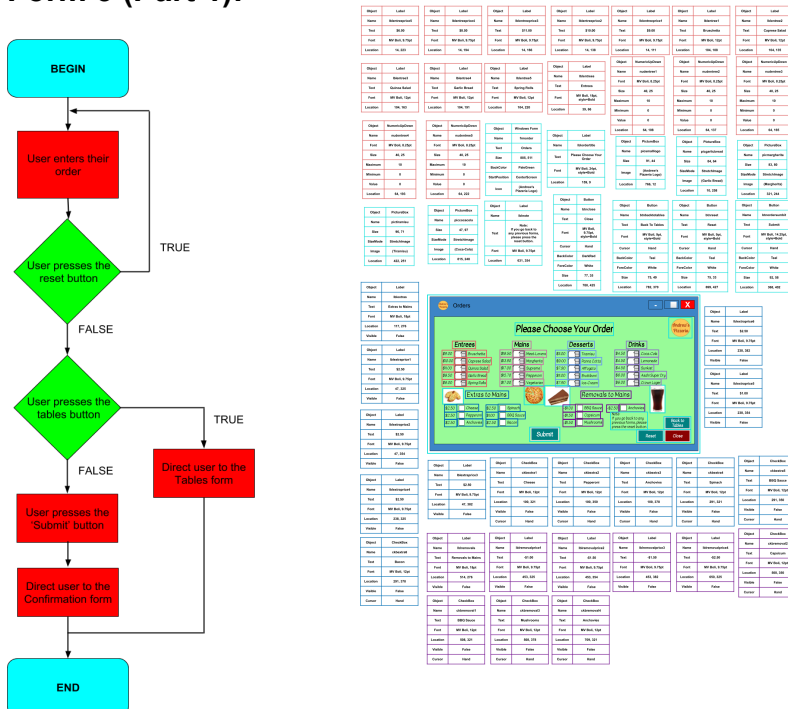
### Form 1:



## Form 2:



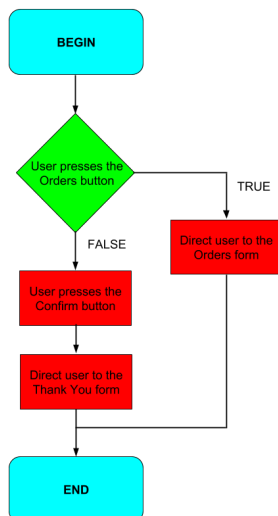
## Form 3 (Part 1):



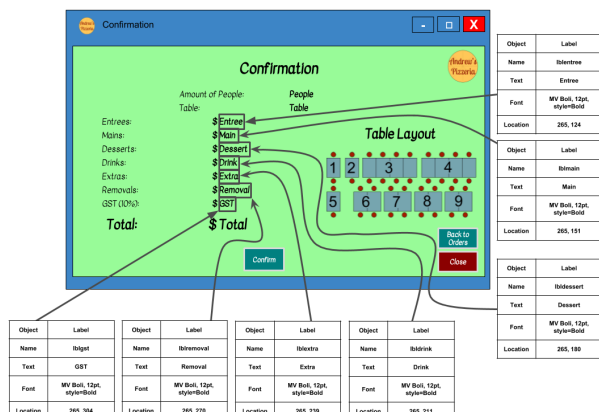
### Form 3 (Part 2):

[illegible]

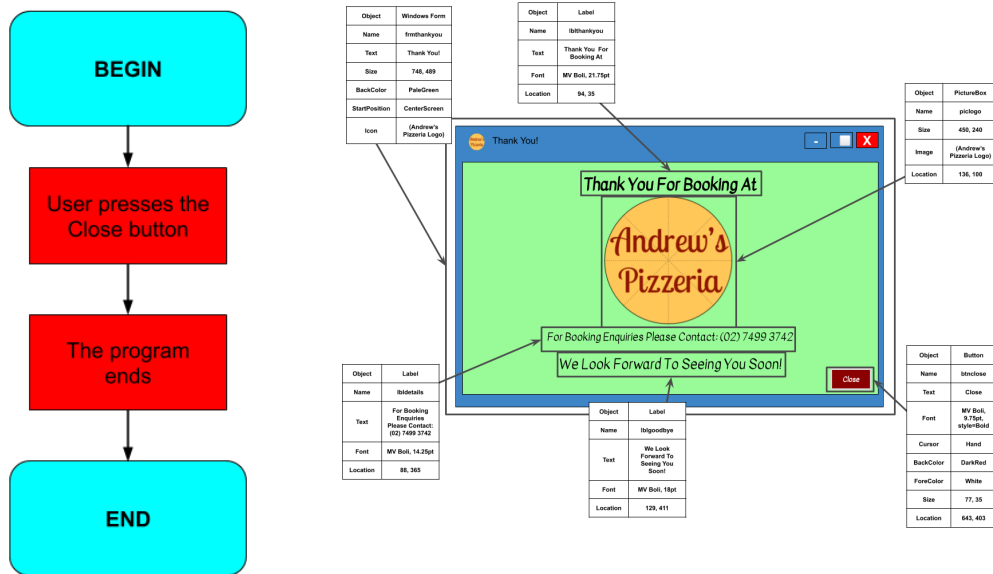
**Form 4 (Part 1):**

[illegible]

**Form 4 (Part 2):**



## Form 5:



### ★ Produce the Solution:

See 'Restaurant\_Booking\_System-Andrew\_Youssef'

### ★ Evaluate the Solution:

I encountered the challenges/issues of:

1. Figuring out how to cater for people who wanted to purchase the same item multiple times.
2. Figuring out how to make the user only see the tables that would cater to the amount of people attending.
3. Figuring out how to calculate GST for the order.
4. Figuring out how to make the extras and removals only appear when the user orders a main course
5. Figuring out how to make a reset button work on the order form

Those challenges/issues were overcome by:

Andrew Youssef

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1. Adding a NumericUpDown object next to each of the menu items.
2. Adding a NumericUpDown object and using "IF" statements.
3. Referring to Activity 11 in the 'Visual Basic Lesson Activities' booklet.
4. Using "IF" statements
5. Researching how to set variables to 0