**Treety Farahmand Mazdai**

**12/12/2021**

**Main**

**-------------------------------------------------------------------------------------------**

{

**Declare variables**

Creating Array Lists of Strings and Double for printing the recipe

Creating Array Lists of Strings and Double for printing the menu of Sandwich Content

Storing the sandwich content variety in the Array Lists of String.

Begin the do while Loop

**do**

{

Printing the **Bread** choices and input choice

Adding to the Sandwich Content Array List

Displaying the chosen Bread type

Adding to the Array List of Sandwich Content String

Adding one to the integer number of Content

Printing the **Spread** choices and input choice

Adding the input to the Sandwich Content Array List

Displaying the chosen Spread type

Adding to the Array List of Sandwich Content String

Adding one to the integer number of Content

Printing the **Meat** choices and input choice

Adding the input to the Sandwich Content Array List

Adding to the Array List of Sandwich Content String

Displaying the chosen Meat type

Adding one to the integer number of Content

Giving the option of any extra meat.

Begin the while Loop

**While** reply extras meat = 'Y'

{

Printing the **Meat** choices and input choice

Adding the extra meat choice to the Array List of Sandwich Extra Content String

Adding the extra meat choice to the sandwich content basket

Displaying the chosen Meat type

Adding one to the integer number of Extras

Adding 60 pence to the basket sandwich price when the extra meat is chosen and to the Sandwich Price Basket

Giving the option of any extra meat

}

Giving the option of any salad at all

if reply = 'Y'

{

Printing the **Salad** choices and input choice

Adding the first salad to the Sandwich Content Array List

Displaying the first chosen Salad type

Adding one to the integer number of Content

Giving the option of the second salad

Starting an if statement

if reply = 'Y'

{

Printing the Salad choices and input choice

Adding the second salad to the Sandwich Content Array List

Displaying the second chosen Salad type

Adding one to the integer number of Content

Giving the option of extra salad

While reply = ‘Y’

{

Printing the Salad choices and input choice

Adding the extra salad to the Sandwich Extra Content Array List

Displaying the extra chosen Salad type

Adding one to the integer number of Extras

Adding 35 pence to the sandwich Extra Price Basket and

to the Sandwich Price Basket

Giving the option of extra salad

}

Printing the Sauce choices and input choice

Adding the sauce to the Sandwich Content Array List

Displaying the chosen Sauce type

Adding one to the integer number of Content

}

**else**

{

Printing the Sauce choices and input choice

Adding the sauce to the Sandwich Content Array List

Displaying the chosen Sauce type

Adding one to the integer number of Content

} End of the inner if else

}

**else**

{

Printing the Sauce choices and input choice

Adding the sauce to the Sandwich Content Array List

Displaying the chosen Sauce type

Adding one to the integer number of Content

} End of the outer if else

Adding to the number of Sandwich

Adding £3.00 to the sandwich price basket

Giving the option of check out

}

While reply checkout = ‘N’

**End of do while loop** for choosing sandwich content.

Printing the order preview for the sandwich

Using for Loop for each sandwich content and price

{

It runs to the maximum number of sandwich content

}

Using inner for Loop for extras and their price

{

It runs to the maximum number of extras

}

Printing the total bill for the sandwich order which is sandwich price basket(Double).

}**End main** program

**Methods**

**-------------------------------------------------------------------------------------------**

1. **Method for** printing the **Bread** Menu

{

Defining an array list for verifying the bread types.

Adding the bread types to the array list.

Printing the Bread choices in a table

}

**2. Method for** printing the **Spread** Menu

{

Defining an array list for verifying the spread types.

Adding the spread types to the array list.

Printing the Spread choices in a table

}

**3. Method** for printing the **Meat** Menu

{

Defining an array list for verifying the meat types.

Adding the meat types to the array list.

Printing the Meat choices in a table

}

**4. Method** for printing the **Salad** Menu

{

Defining an array list for verifying the salad types.

Adding the salad types to the array list.

Printing the Salad choices in a table

}

**5. Method** for printing the **Sauce** Menu

{

Defining an array list for verifying the sauce types.

Adding the sauce types to the array list.

Printing the Sauce choices in a table

}

}