***Pizza Ordering application***

This is app which will help us order pizza for customers. In this app I thoroughly use Buttons, Checkbox, Radio Button group, Text View, Edit Text view, Layout, Scroll View, android visibility, on click method, on click listener and basic of programming such as for loop, while loop, declaring variable, public protected and final encapsulation and type casting in java.

In my app I tried to use one single activity to successfully express all the functionality of a running app with all the above functionalities. In process of which I found out the basic documentation of them all which is helpful and mind opening.

In my app one can successfully order a pizza and repeat the process. When someone enters his email address and press submit it will direct them to a pop-up message which will descried and check the pizza they have ordered. Clicking the order again button will redirect them to main activity again and so the user will able to order another pizza.

My greatest accomplishment in this app will be that I successfully use only a single activity to complete the whole process.

I first drawn the layout in a paper to give me an idea what I am about to do, then I thought which layout will perfect for the app. So, I decided I will first use and relative layout then within that scroll layout so that my app can support both landscape and horizontal orientation. I Grouped the radio button in a radio group so that I can enable them. I used linear layout vertical so that I can use the that checked box. After that is just simple text and buttons.

I tried the both xml and design layout to edit my app look, found out that I can use button in two different ways one is overriding the setOnClickListener and in that method we can implement the functionalities of the button. Another way to use button is from design view where I can easily set the onClick method and declaring the method on mainactivity.java as a public method where is just have pass View view as parameters.

For the pop-up to appear when user click on submit was a real challenge for me for that I first take a linear layout and placing them at the end of the scroll view. Then from the xml editor I set the layout\_centerHorizontal to true and did the same for centerHorizontal. Then add a text filed to generate what was the pizza and then add one button so that user can return to the main activity. During the pop-up massage the whole background of the scroll view was set invisible then again when the user will tap on the button which says order again they will be redirected to the main activity. When user uses the main activity, the pop-up is still there but just set to invisible.

At last I want to say the in this course I learned a lot about the basic components for android, for the beginner it was very helpful and will be looking forward to next level of android coding.

Name: Tanvir Rahman Ovi

Matriculation Number: 930070