

Virtual Internship Program on:- **Android Application Development Using Kotlin**

Title:- GroceryApp

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Abstract

The world today is filled with too much information and data. Every second we get introduced to a new piece of information. In this scenario, it is challenging for us to absorb and remember all the information we get from our senses. As we can't remember everything, users frequently forget to buy the things they want. A piece of paper with a list of items written on it may sometimes get torn, it might get wet sometimes, you might not understand the handwriting at other times, etc. However, with the assistance of this app, you can make a list of the groceries you intend to buy so that you don't forget anything later.

Acknowledgement

It took plenty of effort to make this project. I invested my days and nights in learning to build this project. However, it would not have been possible without the kind support of many individuals and organizations. I highly acknowledge the support of the Android Team at Google, not to forget my favorite Meghan Mehta.

I feel obliged to take this opportunity to thank my team mentor Sandeep Doodigani for his continuous presence and support whenever needed. Sir, thank you very much for participating actively in the chat section of the site and clarifying all our doubts.

Last but not least, I would like to thank the community for posting interesting but challenging questions. I learned a lot more through the discussions section.

Thank you SmartInternz for providing me with this opportunity.

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Technologies learnt about -

- **Android Studio**

The application is developed using Android Studio.

- **KotlinAndroid Studio**

There are many ways to build an application. But we are going to develop it in Kotlin.

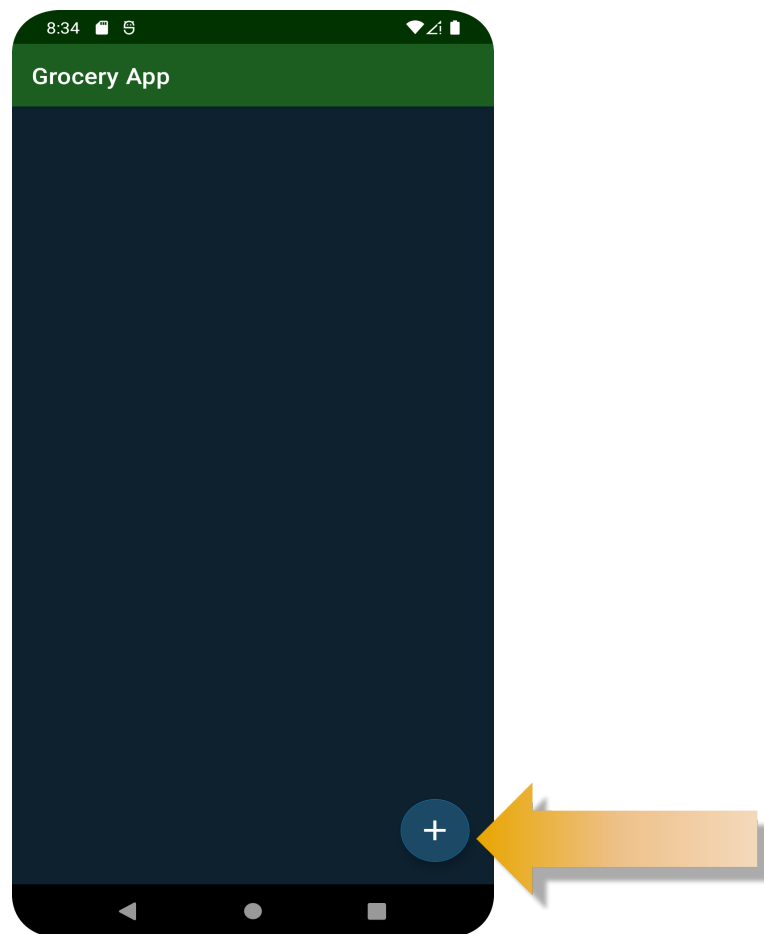
- **Room Database**

This is the database that we are using to store the list of items for Grocery.

How to use the app?

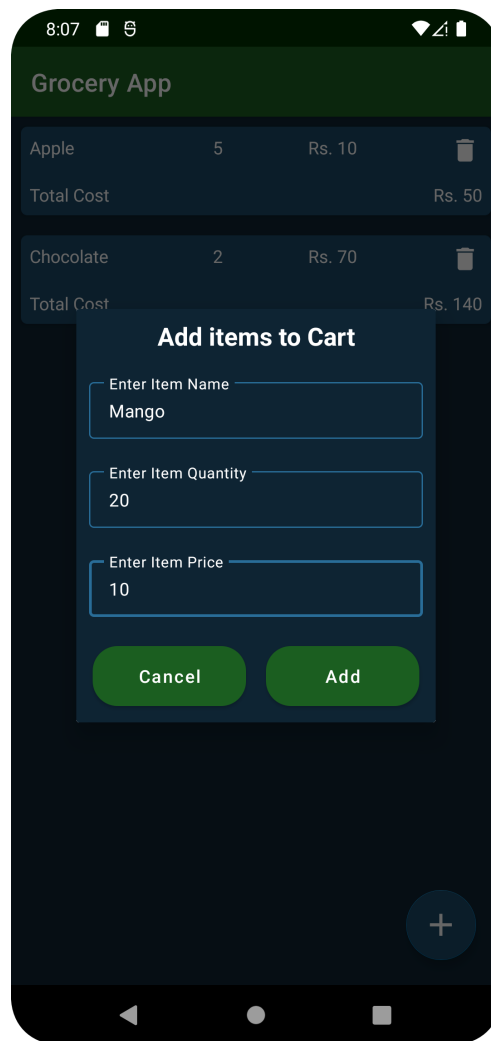
- **Follow the instructions below to add item in the list:-**

1. Once the user opens the application he is presented with an empty interface.



2. To add an item to the list, click on the + icon at the bottom right corner of the screen.

3. An **Add item** dialog box appears.



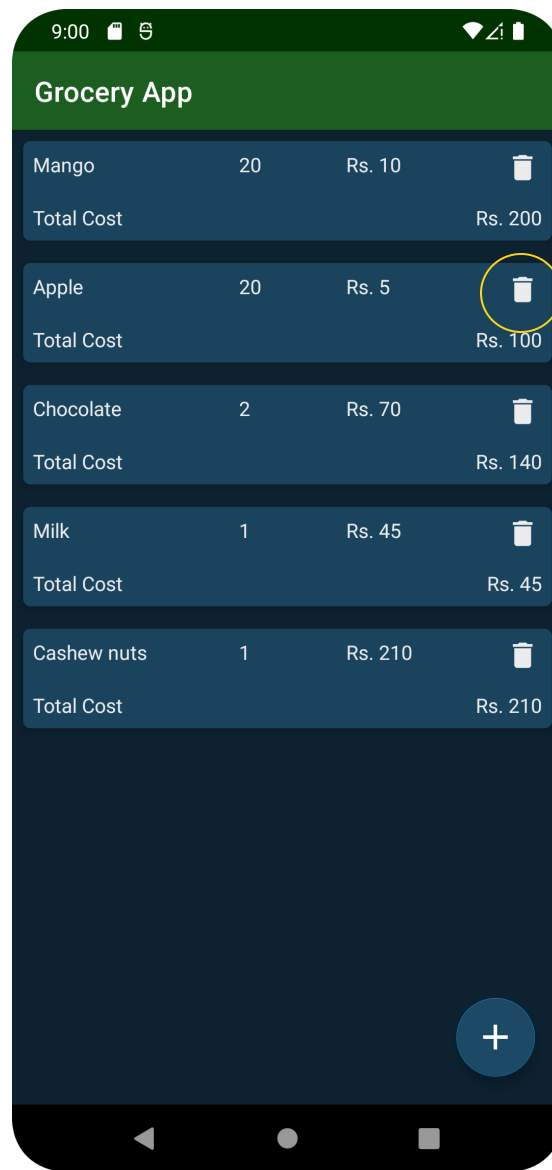
4. Fill in all the necessary details like the name of the grocery item, quantity, and price per item, and click on the **ADD** button.

5. The total price for the items is calculated and the item will be inserted in the list.



6. Similarly you can add as many items as you like.
7. After the purchase of a specific item is made, the list item can be deleted.

8. To delete an item in the list, click on the delete icon of a specific item.



9. There are both dark and light versions of the app available. Those who have difficulty with bright colors, or are sensitive to bright light can use the app in dark theme.

Download App

The app is not available on the Play Store yet. Hence to download the app click on the link below:-

[Download for Android](#)

Video explanation

Video Tutorial is uploaded on the Google Drive. In case anybody has problem understanding the functioning of the application, a step by step explanation is available on the link below:-

[Video Tutorial](#)

References

<https://developer.android.com/>

<https://smartinternz.com/>

<https://www.youtube.com/c/AndroidDevelopers>

https://www.youtube.com/watch?v=vdcLb_Y71lc