**Learning Outcomes**

1. Simple ListView Control
2. Understanding ListActivity and ArrayAdapter

**ListActivity**

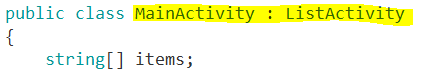
Android includes built-in ListActivity that you can use without defining any custom layout XML or code. The ListActivity class automatically creates a ListView and exposes a ListAdapter property to supply the row views to display via an adapter.

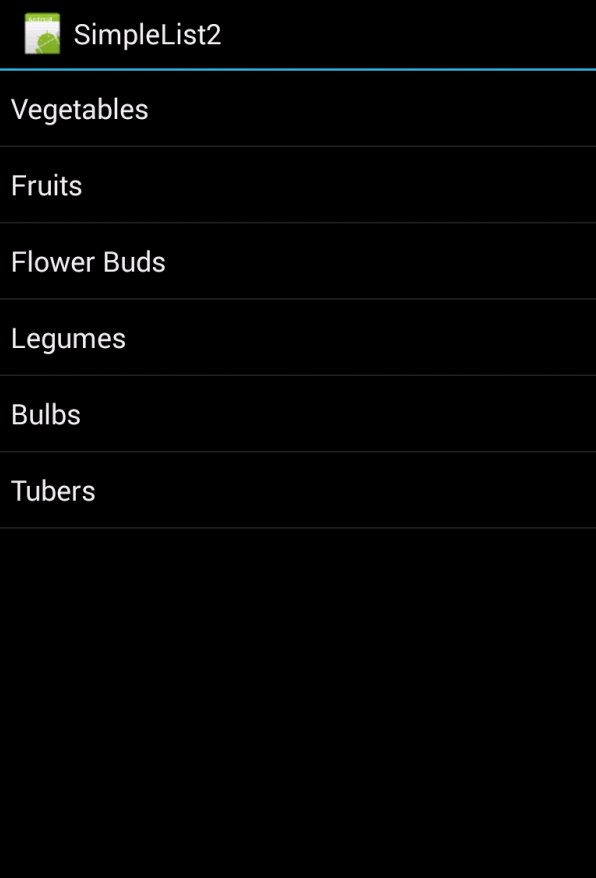
**SimpleListItem1**



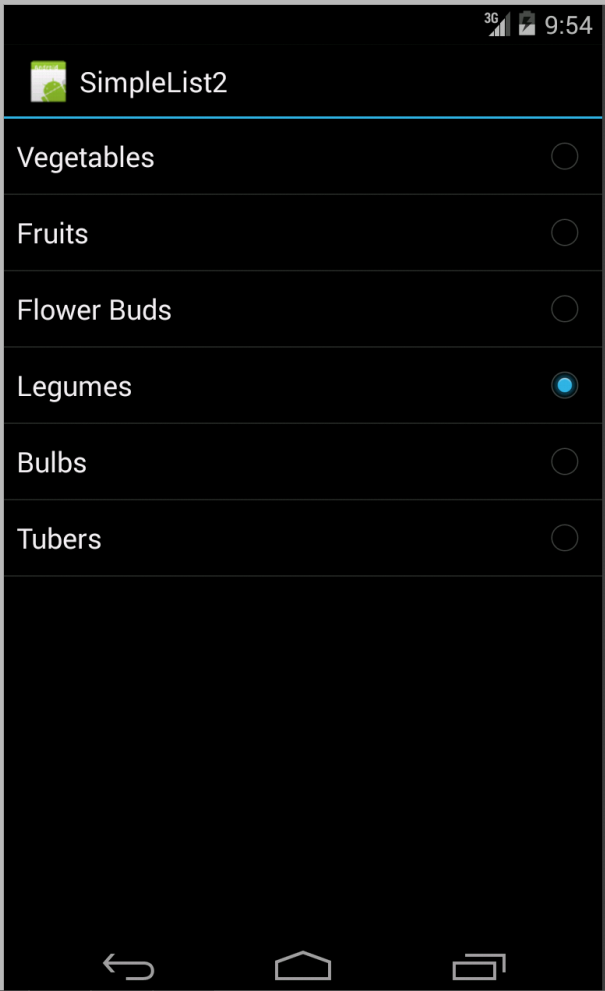
**Points to Note**

Inheriting your main activity as a ListActivity





**Variations**



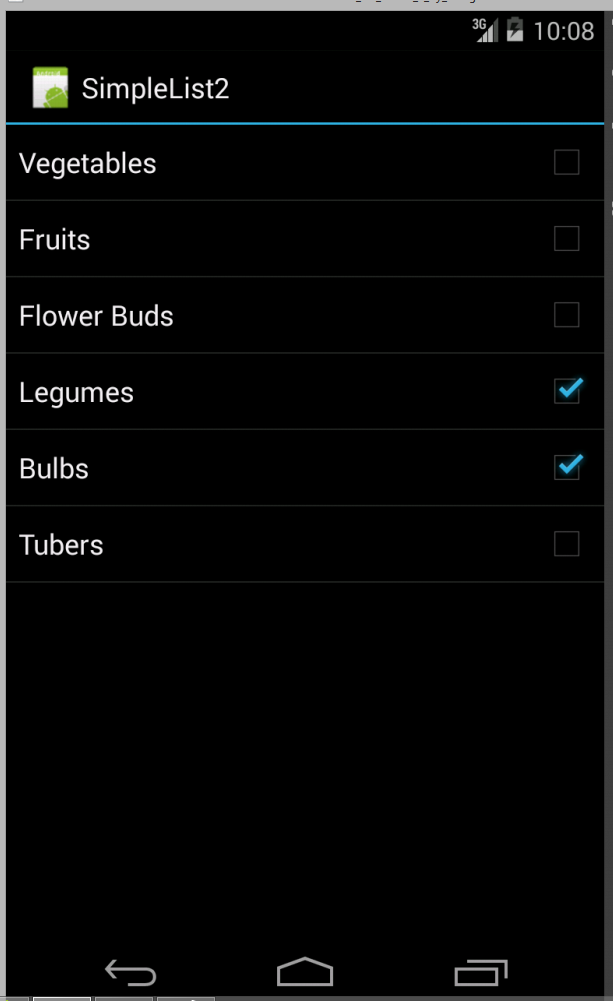
**For a Single Selected Item**



Note the difference



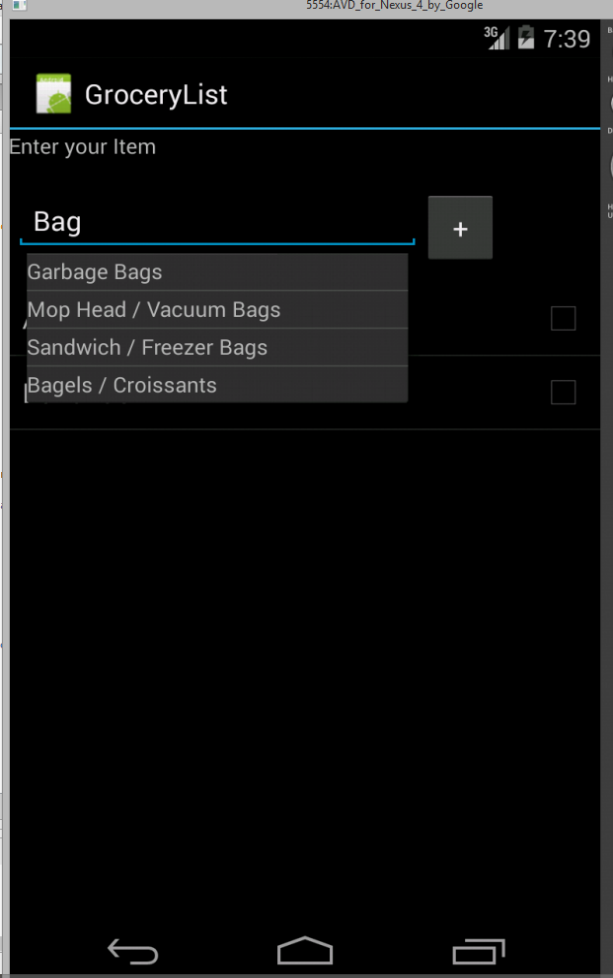
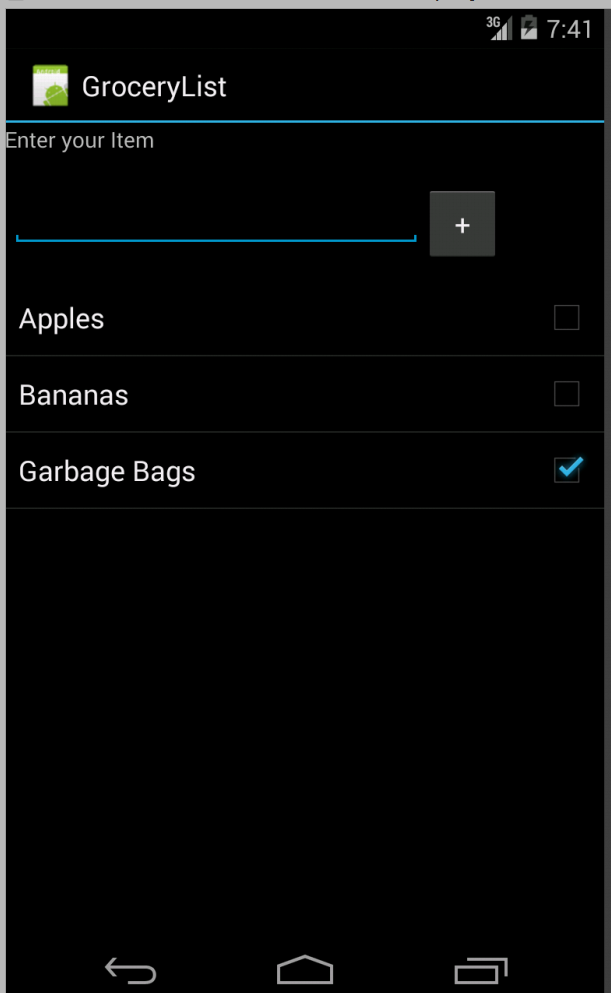
**For Multiple Selection**

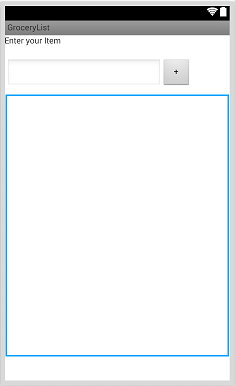


**Modify the code as follows**



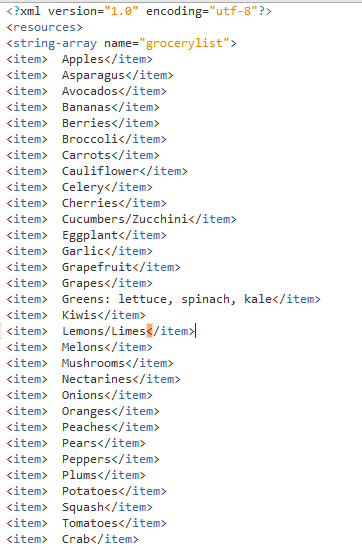
**Simple GroceryList App**

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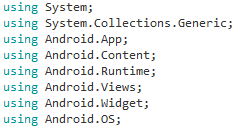


Label, Autocomplete TextView, Button and a Listview

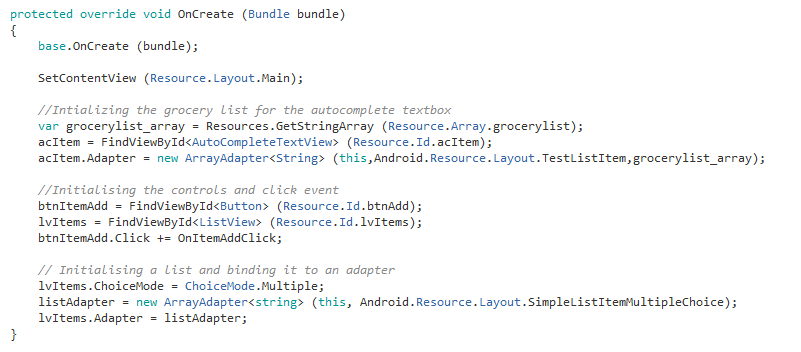
Add your grocery Items in Strings.xml

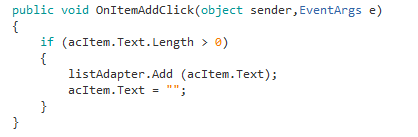


**Code**



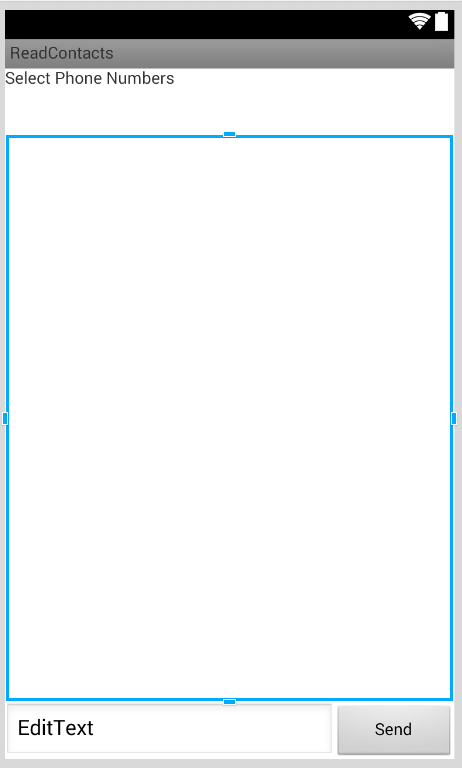






**Send Text Message to Contacts (Bulk Texting)**

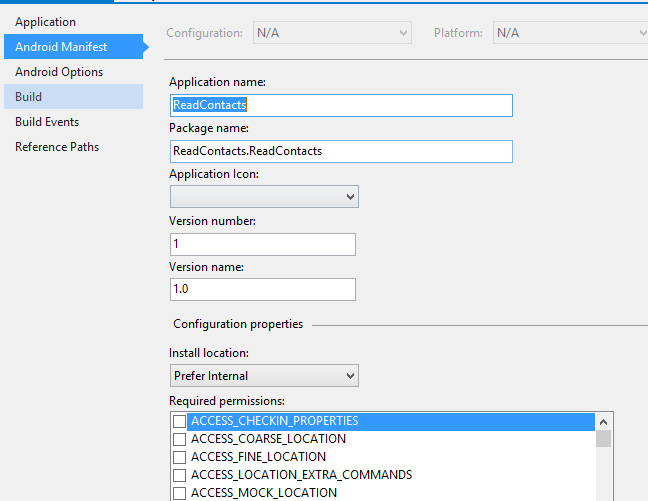
In this app the user can send a text to multiple users. The app allows you to select a number of users and send them a text.



Permissions required are SendSMS and Read Contacts. The permissions are set in the AndroidManifest.xml file.

In Visual Studio you can do it via Project Properties.

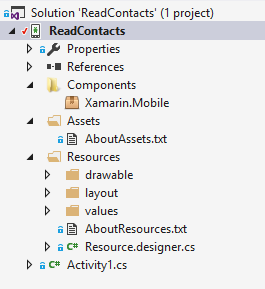
Go to Project -> (Project Name) Properties



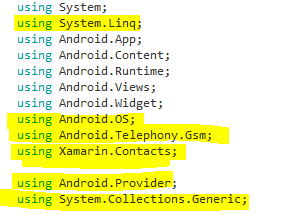




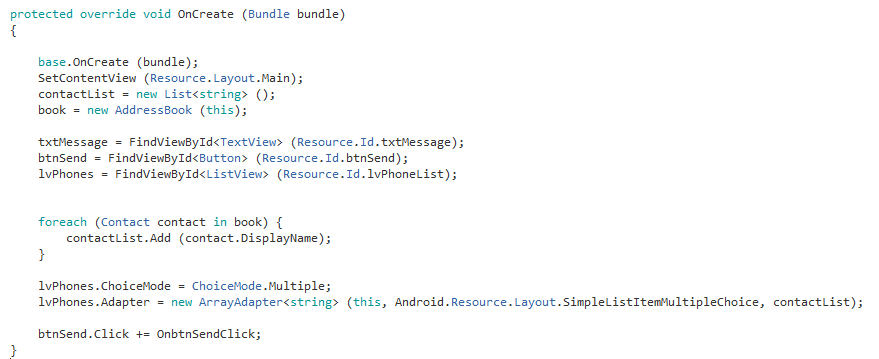
You need to add the Xamarin.Mobile component to be able to read contacts of your phone.

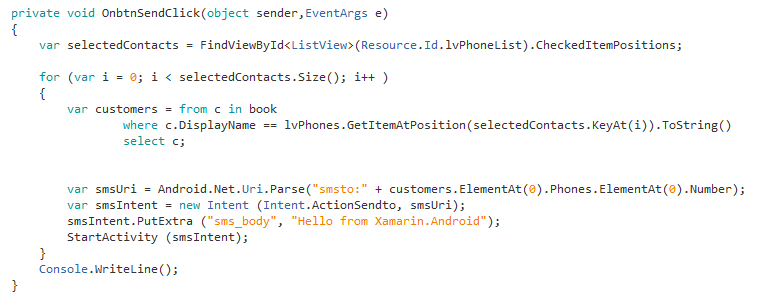


Add the appropriate using directives









**Exercise**

The above approach needs you to press the send button to send the text.

Find a way to automatically send text messages.