

## LESSON 07 – Assignments

**START** >>



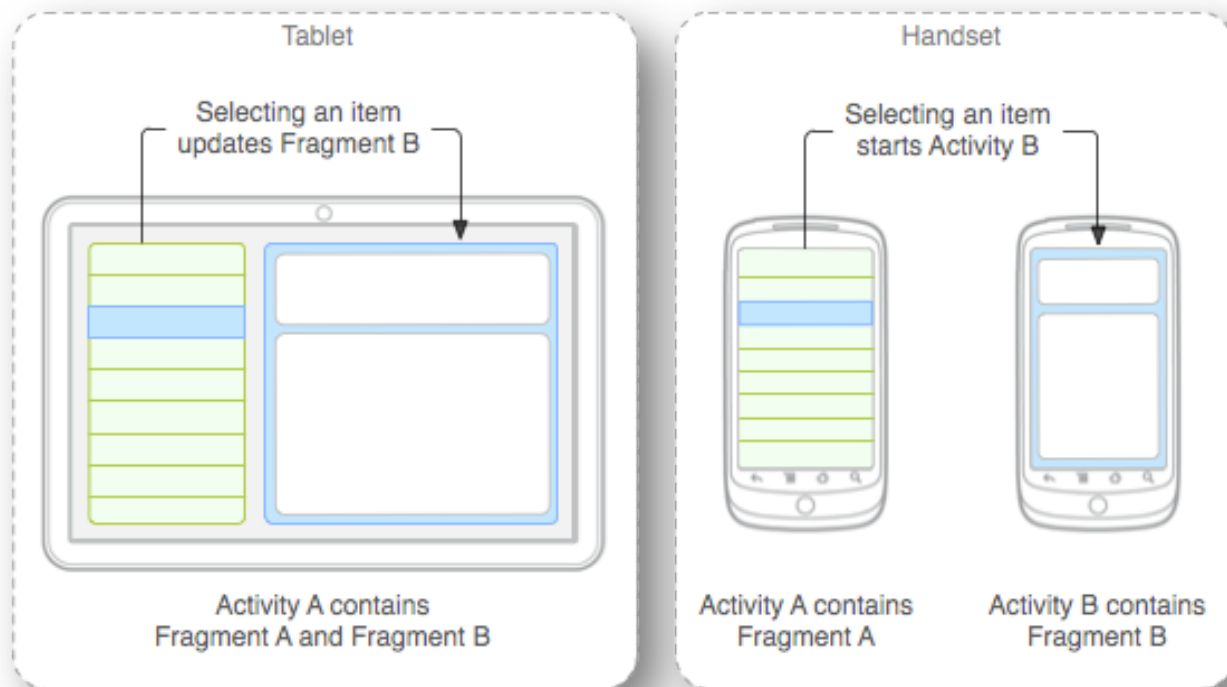
## ***Rule of assignments***

- Your source code must follow the rules at <https://source.android.com/source/code-style.html>, especially Naming Conventions and Javadoc Standard Comments.



## Lesson 7 – Exercise 1

- Based on your app in Assignment 5 – Exercise 2, update new layout like this:





## ***Lesson 7 – Exercise 1***

- Your app now has 2 type of layouts: one for handset and one for tablet devices.
- When application runs on handset:
  - Activity A contains Fragment A.
  - Fragment A contains a list of songs (each item of the list is displayed in 2 rows style like assignment 5 – exercise 2).
  - Once user presses on a Contact in Fragment A, start Activity B.
  - Activity B contains Fragment B.
  - Fragment B displays selected song in Fragment A in detail (it includes: song's cover image (if have), title of the song, author's name, type of music (genre), album track number, year the song was released).



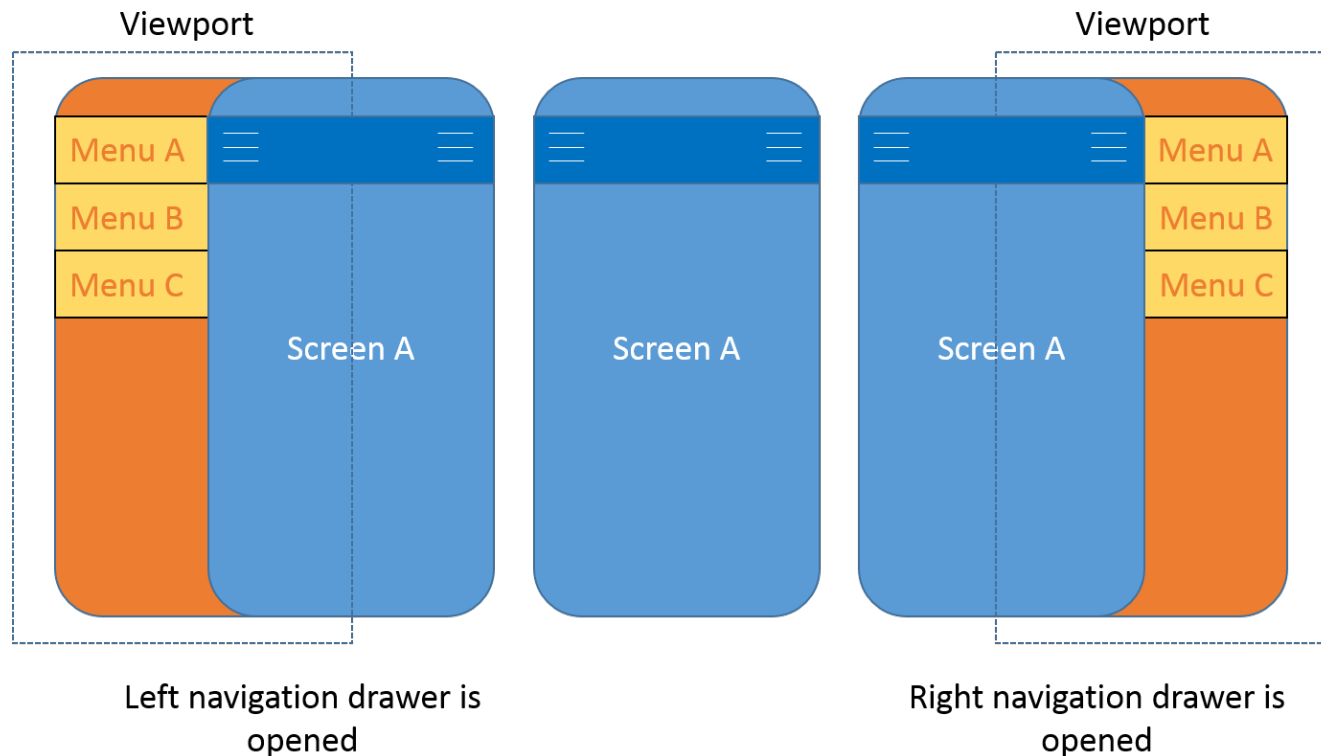
## ***Lesson 7 – Exercise 1***

- When application runs on tablet:
  - Activity A contains Fragment A & Fragment B.
  - Fragment A contains a list of songs (each item of the list is displayed in 2 rows style like assignment 5 – exercise 2).
  - Once user presses on a Contact in Fragment A, show Contact detail in Fragment B.
  - Fragment B displays selected song in Fragment A in detail (it includes: song's cover image (if have), title of the song, author's name, type of music (genre), album track number, year the song was released).
  - Note that: selected contact in Fragment A must be highlighted.



## Lesson 7 – Exercise 2

- Based on your app in Exercise 1, add a new feature like this:





## ***Lesson 7 – Exercise 2***

- In which:
  - The navigation drawer is a panel that displays the app's main navigation options on the left edge or right edge of the screen.
  - It is hidden most of the time, but is revealed when the user swipes a finger from the left edge or right edge of the screen or, while at the top level of the app, the user touches the app icon in the action bar.



## ***Lesson 7 – Exercise 2***

- In which:
  - The left navigation drawer displays all author's name.
    - Once an author name is pressed, reload the song list of Fragment A with all songs of that author.
  - The right navigation drawer displays all album's name.
    - Once an album name is pressed, reload the song list of Fragment A with all songs of that album.