IT University of Copenhagen

Mobile App Development (Spring 2016)

Mandatory Assignment #1
Tingle App Version 4

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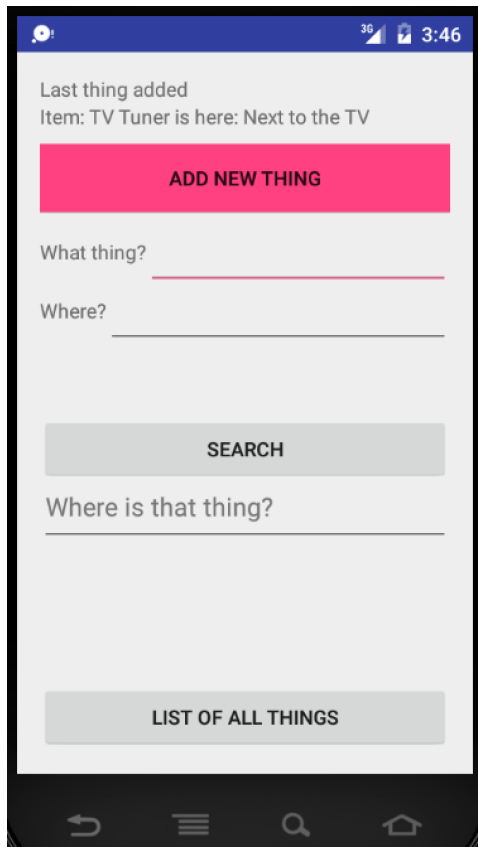# 1 Tingle App

1.1 Layout

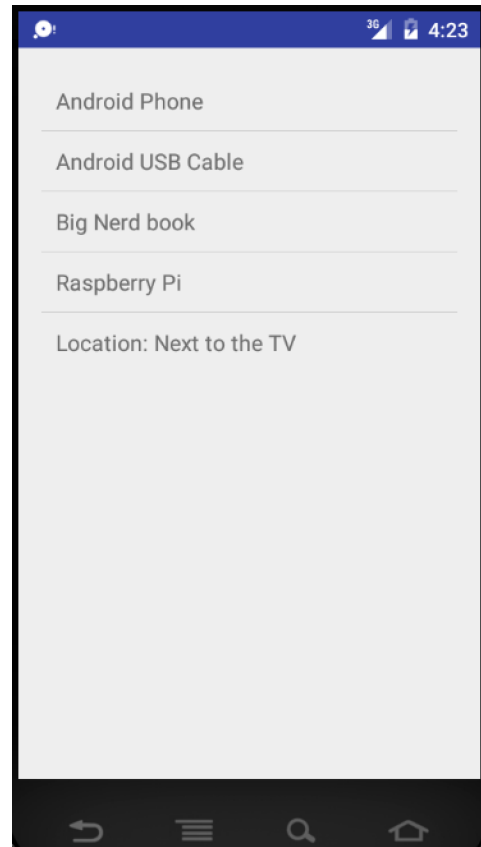Figure 1.1: Portrait view of the main Tingle activity.

Figure 1.2: Portrait view of the main List activity.

When running the Tingle App the first view the user sees is shown in Figure 1.1. In this view the user can add new things and their whereabouts to the database, search for exists things and finally list all things in the database. Clicking the button `List of all things` will open up the List Activity shown in Figure 1.2. The list view is a scrollable list showing all items in the database. Tapping an item in the list will toggle the *What* (i.e the name of the item) and *Where* (the location of the item). The user can also delete an item by Long pressing on an item. A popup dialog appears as seen in Figure 1.3.
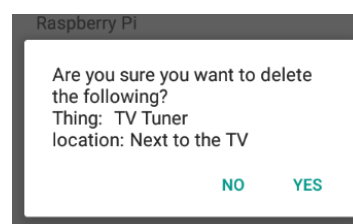

Figure 1.3: Verification dialog when deleting an item.

Changing the orientation to landscape then the two views are show side-by-side. The same functionality applies to this view as they do in portrait mode as described above. The only difference is the removal of the `List of all things` button since the list is already visible to the right.
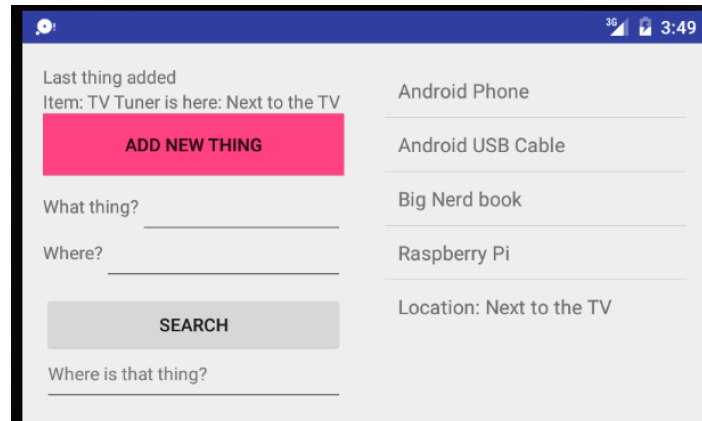

Figure 1.4: Landscape view showing both the main functions as well as the list of things side by side.

1.2   Design

1.3   Extensions

1.4   Testing

The testing of the App has been separated into two four different parts. One for each view and one for each orientation of the device.

ID	Test Case	Expected Output	Actual Output
A	Running the App opens up the Tingle view	The Tingle view is shown	The Tingle view is shown
B	Clicking the `List of All Things` button in the Tingle view opens up a the List view.	The List view is shown.	The List view is shown.
C	It is possible to add an item to the database.	An item is successfully added to the database.	An item is successfully added to the database.
D	It is possible to search for an item in the database.	A Toast is displayed showing the location of the found item.	A Toast is displayed showing the location of the found item.

Figure 1.5: Test cases of the Tingle view in Portrait mode.

1.5   Issues

Code duplication using the Activities.

I could make a common file with the side-by-side fragment layout and programatically test if we are in landscape orientation.