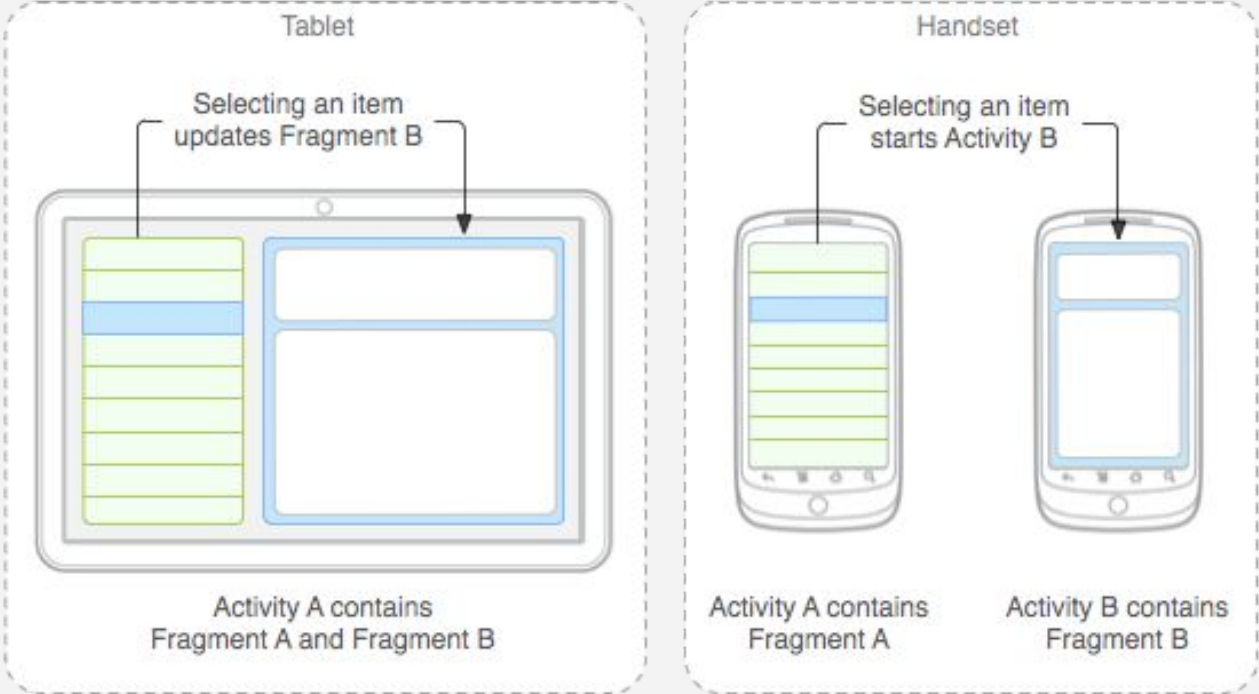


CSc 317

Fragments



Fragments



A Basic Fragment

SomeFragment.java

```
public static class SomeFragment extends Fragment {  
    @Override  
    public View onCreateView(LayoutInflater inflater,  
                             ViewGroup container,  
                             Bundle savedInstanceState) {  
        return inflater.inflate(  
            R.layout.example_fragment,  
            container, false);  
    }  
}
```

fragment_some.xml

```
<?xml version="1.0" encoding="utf-8"?>  
  
<LinearLayout  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:orientation="vertical"  
    tools:context=".SomeFragment">  
  
    <TextView  
        android:id="@+id/article_content"  
        . . .  
        android:text="News Reader"/>  
  
    <Button  
        android:id="@+id/go_to_article_webpage"  
        . . .  
        android:text="Read on . . ." />  
  
</LinearLayout>
```

Add Fragment to Activity

From somewhere in MainActivity.java

```
SomeFragment someFragment = new SomeFragment();
FragmentManager transaction =
    getSupportFragmentManager().beginTransaction();

transaction.replace(R.id.main_layout_container,
                    someFragment);
transaction.addToBackStack(null);
transaction.commit();
```

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout . . .
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:id="@+id/main_layout_container"
    tools:context=".MainActivity">

</LinearLayout>
```

Update VideoGameCharacters

- Add a button to toggle between the two fragments
- The button can go in activity_main.xml



Update VideoGameCharacters

- Make the app change layout based on the size of the screen
- If bigger than 5x5 (inches), lay out the ListViews side-by-side

