Journal

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# September 5 – 8

* Helped setup android studio for Kieran and Brennon
* Dealt with issues regarding the placement of the SDK and the versions of windows (32bit vs. 64bit)
* Understood the basic concept of MVC (separate the presentation from the functionality)
* Thinking about doing Firebase
* Awaited further instructions

# September 11 – 15

* Decided to make an app that rolls 2 dice and flips a coin
* Learned about tab layouts and Fragments
* Researched and read about Tab layouts
* Managed to create tabs in my screen
* Those tabs were then populated with fragments (parts of activity)
* These fragments needed to be managed with a FragmentPagerAdapter
* The FragmentPagerAdapter deals with how the fragments are stored in memory
* Each fragment requires a layout and needs to be stored in a container (viewpager)
* The viewpager takes care of switching to the correct layout on correct screen
* Learned how to load images into the app and change their source later
* Learned about the uses of ID for each view in the layout files

Sources:

<https://www.youtube.com/watch?v=UqtsyhASW74> (tabs + fragments)

<https://developer.android.com/training/implementing-navigation/lateral.html> (tabs)

<https://www.youtube.com/watch?v=00LLd7qr9sA> (tabs + fragments)

# September 18 – 22

* Finished the MVC application – uploaded it to GitHub
* Found a tutorial series creating an Instagram clone + the backend is all firebase
* Haven’t had a chance to journalize much (have been following the series)
* I did a lot of work over the weekend
* The app has multiple activities, a “my profile” page and a lot of layouts and widgets
* Got started with Firebase, the user can now login or signup.
* I have also got the hang of the common xml tags such as ID, width, height etc. and setting “onClickListeners” for different widgets
* This series has a lot to offer and I will continue to follow it

Tutorial Series:

<https://www.youtube.com/watch?v=qpJRgr6HzAw&list=PLgCYzUzKIBE9XqkckEJJA0I1wVKbUAOdv>