National University of Computer and Emerging Sciences

Software for Mobile Devices
Fall 2019

Instructor: Mr. Ahmad Shahwaiz

Assignment 3

Date: October 7, 2019

Due Date: October 14, 2019 (Monday – 11:59 PM)

Instructions:

- You are required to do this assignment **individually**.
- Please properly comment your code.
- It is highly preferable that you code as per [Android](#) and [Java styling guide](#). However, it won't affect the marking criteria.
- Submit this assignment by **emailing** me your work before deadline. You have to cc the email to your **class instructor** as well.
- Make the assignment folder inside your local repository directory. Please don't work outside your repository and then copy files.

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Part 1:

Like in previous assignments, use **GitBash** to do all of your Git operations.
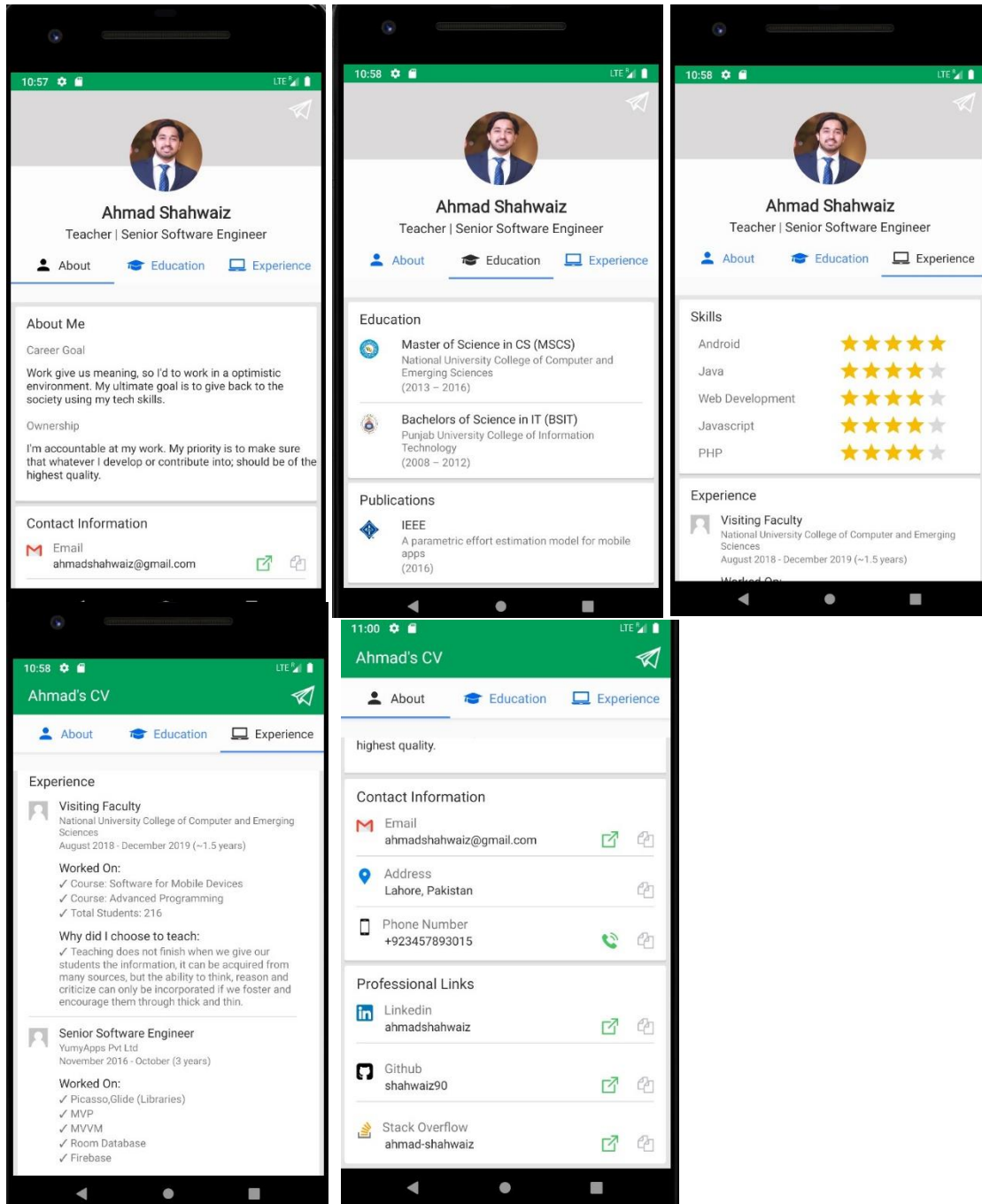
For this part:

- You will follow the previously told instructions to use Git. (link in Assignment 1 manual)
- However, from now on, you will create new branch for a new assignment, e.g assignment_3 in this case.

Part 2:

For this assignment, you have to make a Resume app including components/features like Recycle View, App Linking, Coordinator Layout and more.

You will use the following code to complete this assignment: https://github.com/shahwaiz90/Personal-Resume

1. **The UI should be like following:**

2. For the features:

You have to follow the instructions given by class instructor, which are mentioned below:

- *Make a recycle view in it. (https://www.youtube.com/watch?v=IGGT_jfZQrA)* **(You must implement at least one recycle view and its adapter from scratch)**
- *Upload the app to play store (https://play.google.com/apps/publish) which means they should have the logos and banner designed as well. More details by clicking the link.*
- *Use App Linking in it. (https://www.youtube.com/watch?v=lpaByLW_ctw)*
- *Generate signed apk (they will need to create a keystore as well)*
- *Some images are missing from some density buckets, they need to fill those as well*
- *Edit strings.xml file according to their profiles.*

Note: You can discuss these requirements with the class instructor via email or in person for better understanding.

Submission Format:

- **Submit to:** abdulwaseybutt@gmail.com
- **CC:** ahmadshahwaiz@gmail.com
- **Subject:** [SMD-A] Assignment-3
- **Body:** GitHub link, Zip file

Note: As per your instructor, please write formal submission emails from now on. You shouldn't just paste the link and attach files, instead formally state some context related to the submitted work, mention the one you are submitting to and give your regards for good practice.

GitHub:

- Your Git repo would contain all of the project files except for the build files

To avoid pushing build files to the remote repository:

- o Open the **.gitignore** file in your Android project folder
- o Write "app/build" at the end of the file
- o Save the file

Files mentioned in .gitignore are ignored at the time of pushing, meaning that these don't get sent to the remote repository

Zip File:

- It should be named with your roll number and fullname e.g. **"15L-4172 (Talha Saqib).zip"**
- It would contain:
    - "src" folder from your project folder.

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For any issues, please feel free to contact me on Piazza or via email – after trying finding the solution on your own first.

Good Luck!