In this classwork, you will explore the basics of Android app development using **Android Studio**. You’ll create a simple app that displays personalized information about yourself, including your name, banner ID, class, section, and your favorite quote (from a movie, book, series, or personal experience). To spice things up, you’ll also need to install and test your app on an **external Android emulator** of your choice (other than the one included with Android Studio). This task encourages creativity and personalization while also giving you a hands-on experience with Android development environments and testing platforms.

**Instructions:**

1. **Set up Android Studio:**
   * Install **Android Studio** from [Android Studio Official Site](https://developer.android.com/studio).
   * Follow instructions to set it up on your machine.
2. **Install an External Android Emulator:**
   * Choose and install any external Android emulator of your choice (e.g., **Genymotion**, **Bluestacks**, **Nox Player**, etc.). This will be used to run your Android app in addition to the default emulator that comes with Android Studio.
3. **App Requirements:**
   * Your app should display the following details:
     + **Your Name**
     + **Banner ID**
     + **Class and Section**
     + **Your favorite quote**
   * **Personalize** the appearance: Feel free to play around with the colors, fonts, and layout. Customize the app to reflect your personality.
4. **Submit:**
   * The code for your Android app.
   * A report with the following:
     + A copy of your **app code**.
     + **Screenshots** of the app output in the Android Studio emulator.
     + **Screenshots** of the app output in the external emulator you downloaded.
     + Reflection on the process, detailing your experience and any challenges faced.

**Tasks to Complete:**

1. **App Design (45%):**
   * Design a simple layout that displays your **Name**, **Banner ID**, **Class and Section**, and your **Favorite Quote**.
   * Ensure the design is neat, and the text is legible.
2. **Run the App on Android Studio's Emulator (15%):**
   * Test the app using the default emulator in Android Studio.
   * Take a screenshot of the app running.
3. **Run the App on an External Emulator (15%):**
   * Test the app using the external emulator you downloaded.
   * Take a screenshot of the app running in the external emulator.
4. **Reflection (15%):**

* A short paragraph reflecting on the assignment (challenges, learning experiences, etc.).

1. **Prepare and Submit a Report (10%):**
   * Include your app’s code, screenshots, and a reflection on the task (challenges, experiences).

**Submission Guidelines:**

Submit the following items through the designated portal:

1. **Android Studio Project Files**:
   * Compress your **entire Android Studio project folder** into a **ZIP file** and upload it. Ensure that all necessary files (source code, layout, resources) are included.
   * The ZIP file should be named appropriately, using the following format:  
     **LastName\_FirstName\_AndroidProject.zip**.
2. **Report (Word or PDF document)**:
   * Submit a **professional and well-structured report** in either Word or PDF format, including the following:
     + A copy of your **app code** (with syntax highlighting, if possible).
     + **Screenshots** of the app running in both the Android Studio emulator and the external emulator.
     + A reflection on the assignment, detailing any challenges you encountered and your overall experience with Android Studio and the external emulator.
   * Ensure the report includes:
     + A **cover page** with the title, your name, course code, and submission date.
     + **Page numbers** and a **table of contents** for clear navigation.
     + A **professional layout** with proper headings, fonts, and spacing for readability.

Submit the ZIP file of your project folder and the report as separate, clearly labeled files before the submission deadline.