**Student Name: Weight: 5%**

**Student ID:** **Marks:** **/45**

### Project Phase 2: App Architecture

In this phase, you will determine the architecture for your mobile app. It is imperative that thought and effort go into the architectural decisions made in this phase. A well-thought-out architecture plan will minimize the amount of effort required as you continue to build your mobile app.

## Instructions

1. Do not begin this phase of the project until you have received a passing grade in the previous phase.
2. Review the marking scheme and all instructions for this phase before beginning.
3. Continue your progress report to track all project work.
4. As a team, develop the architectural framework of your mobile app. Record your architecture decisions in GitHub and in a Word document and report the group’s division of labour in an attribution list. These will both be submitted.
   * You can view a [sample architecture decision record](https://github.com/joelparkerhenderson/architecture-decision-record/blob/main/examples/css-framework/index.md) for assistance (https://github.com/joelparkerhenderson/architecture-decision-record/blob/main/examples/css-framework/index.md).

Some of the architectural decisions have already been set for you, while others have been left for you to determine.

* The target device and CSS framework have already been determined:
* Target devices: Android
* Development framework: React Native
* Determine architecture decisions for each issue listed below. Be sure to consider the project timeline and the team’s skillset while making these decisions as they cannot be reversed.
* UI toolkit: React Native Elements, Native Base, Shoutem UI, Ant Design Mobile, or, UI Kitten
* Navigation strategy
* Hardware: GPS, Speaker, Fingerprint scanner, etc.
* Database storage: Local (encrypted or unencrypted), remote, or none

1. For submission, only one copy is required per team. Your submission should include:

* Architecture decision records for each issue compiled in a Word document
* A completed attribution list (.docx or .pdf)
* A completed progress report (.docx or .pdf)
* The names of all team members listed at the beginning of each document

## Marking Criteria

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Needs Improvement** | **Good** | **Excellent** | **Marks** |
| **Architecture Decision Records** | Some issues are missing architectural decision records.  (1 mark) | Architectural decisions have been made for each issue.  (7 marks) | Each issue has an architectural decision record filled out completely.  (10 marks) | **/10** |
| **Understanding of Issues** | Architectural decision records don’t demonstrate students’ understanding of issues.  (1 mark) | Architectural decision records partially demonstrate students’ understanding of issues.  (7 marks) | Architectural decision records demonstrate students’ understanding of issues.  (10 marks) | **/10** |
| **Scope** | Architectural decisions go outside the scope of this course.  (0 marks) | Architectural decisions have high potential to go outside the scope of this course.  (3 marks) | Each architectural decision fits within the scope of this course.  (5 marks) | **/5** |
| **Attribution List** | Attribution List is missing or incomplete.  (0 marks) | Attribution list is complete but does not define the division of labour.  (3 marks) | Attribution list is complete, and division of labour is clearly defined.  (5 marks) | **/5** |
| **Formatting** | AD document is disorganized.  (1 mark) | AD document is somewhat organized and/or information is difficult to follow.  (3 marks) | AD document is well-organized, and information is easy to follow.  (5 marks) | **/5** |
| **Progress Report** | Progress report is missing or incomplete (2 marks) | Progress report lacks detail and/or tasks do not seem evenly distributed.  (6 marks) | Progress report is complete, and work has been distributed reasonably even.  (10 marks) | **/10** |
| **Total** | | | | **/45** |