Marking Rubric (100%)

The following rubric will be applied to your submission. The sources are automatically collected using Moodle. Failing to submit either the Source Code, GitHub repository link or the video file will result in a zero mark for this assessment.

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| --- | --- | --- | --- | --- | --- | --- |
|  | 0 | 4 | 8 | 12 | 16 | 20 |
| **Version Control and Testing** 20% | No access given to the remote repository on GitHub. No Unit tests have been written or run. No commits. | Some code access provided. Limited attempt at flawed Unit tests and marginal commits performed. | Access provided to GitHub. An unsuccessful attempt has been made to write simple Unit tests. More than 10 commits performed. | Access has been given to the code on GitHub with multiple commits. Evidence of a limited number of Unit tests written and run. More than 20 commits performed. | Evidence of regular commits over an extended period of time together with a range of Unit tests showing how they contribute to code quality. | Commits over an extended period of time, demonstrating the use of branching and merging. A full suite of automated Unit tests ensuring full code coverage. |
| **Layout and Design** 20% | No evidence of the use of standard views. | The application makes use of some basic views with a fixed screen size/orientation. | The app makes use of a limited range of view but only works in a single screen size/orientation. | The app makes use of a wide range of appropriate views and layouts. It works effectively in different screen size/orientation. | The app adapts itself to work effectively on both phones and tablets or any screen sizes and orientation. | The app makes use of custom views and animations to produce a professional standard app that works on any device. |
| **Data Persistence** 20% | The app does not work. | Data is displayed with errors. | The correct data is displayed in the app but nothing is persisted if the app is fully closed and opened. | Data is persisted locally when the app is closed fully. (Data is persisted in Local data base) | Data includes complex relationships and is persisted locally. | Data is persisted in both local and Web based APIs databases with a complex relationship. |
| **Programme Language**  20% | No code has been made available through online repository. | The app demonstrates only limited understanding of the programming language. | The application is fully functional and the explanation of the code is clear. | Application uses complex class relations, code is full documented. | The application makes full use of the range of structures and 2 or more 3rd-party APIs (including Web APIs). | The application makes full use of the range of structures, makes appropriate use of 2 or more 3rd-party APIs (including Web APIs) and techniques not mentioned during the course. |
| **Sensors Hardware and AI Features** 20% | The app makes no use of any phone sensors. | A (failed) attempt has been made to incorporate a phone sensor into the app. | One sensor has been incorporated into the app. | The app makes appropriate use of two phone sensors). | The app makes appropriate use of multiple sensors (at least 3 sensors). | The app makes appropriate use of multiple phone sensors features and integrated with AI functionalities. |