# **Project Evidence Statements**

|  |  |  |  |
| --- | --- | --- | --- |
| **10-9** | **8-7** | **6-5** | **4-0** |
| A learner has implemented 13-15 of the required application functionality tasks1.  A learner has implemented application robustness in nine-10 areas2.  A learner’s Kotlin files contain zero-nine occurrences of magic strings or numbers & are stored in the either integers.xml or strings.xml.  A learner’s XML files contain zero-nine occurrences of magic strings or numbers & are stored in the either dimens.xml or strings.xml.  A learner has demonstrated code elegance in five or six areas.  A learner’s README file contains five of the following:   * Privacy policy * Application wireframes * Step-by-step user guide * Application code commented with KDoc * URL-application on Google Play Store   90-100% of a learner’s commit messages reflect the functional changes.  A learner’s GitHub Action YAML file contains four configurations. | A learner has implemented 10-12 of the required functionality tasks.  A learner has implemented application robustness in seven-eight areas.  A learner’s Kotlin files contain ten-19 occurrences of magic strings or numbers & are stored in the either integers.xml or strings.xml.  A learner’s XML files contain ten-19 occurrences of magic strings or numbers & are stored in the either dimens.xml or strings.xml.  A learner has demonstrated code elegance in three or four areas.  A learner’s README file contains four of the following:   * Privacy policy * Application wireframes * Step-by-step user guide * Application code commented with KDoc * URL to application on Google Play Store   70-80% of a learner’s commit messages reflect the functional changes.  A learner’s GitHub Action YAML file contains three configurations. | A learner has implemented seven-nine of the required functionality tasks.  A learner has implemented application robustness in five-six areas.  A learner’s Kotlin files contain 20-29 occurrences of magic strings or numbers & are stored in the either integers.xml or strings.xml.  A learner’s XML files contain 20-29 occurrences of magic strings or numbers & are stored in the either dimens.xml or strings.xml.  A learner has demonstrated code elegance in two areas.  A learner’s README file contains three of the following:   * Privacy policy * Application wireframes * Step-by-step user guide * Application code commented with KDoc * URL to application on Google Play Store   50-60% of a learner’s commit messages reflect the functional changes.  A learner’s GitHub Action YAML file contains two configurations. | A learner has implemented one-six of the required functionality tasks. Zero is awarded for no functionality tasks implemented.  A learner has implemented application robustness in one-four areas. Zero is awarded for no application robustness.  A learner’s Kotlin files contain more than 30 occurrences of magic strings or numbers & are stored in the either integers.xml or strings.xml. Zero is awarded for 35 or more occurrences3.  A learner’s XML files contain more than 30 occurrences of magic strings or numbers & are stored in the either dimens.xml or strings.xml. Zero is awarded for 35 or more occurrences3.  A learner has demonstrated code elegance in one or no areas.  A learner’s README file contains one or two of the following:   * Privacy policy * Application wireframes * Step-by-step user guide * Application code commented with KDoc * URL to application on Google Play Store   Zero is awarded if none of the above is implemented.  10-40% of a learner’s commit messages reflect the functional changes. Zero is awarded if less than 10% of a learner’s commit messages do not reflect the functional changes.  A learner’s GitHub Action YAML file contains one configurations. Zero is awarded if the learner’s GitHub Action file contains no configurations or the file does not exist. |

1. Required application tasks excludes application must open without file structure modification in Android Studio, application must run without code modification on a mobile device & application must run on API 28: Android 9.0 (Pie).
2. Application robustness include application must open without file structure modification in Android Studio & application must run without modification on multiple mobile devices. Areas include

error checking, permissions & feedback. A mark of nine is awarded for implementing 13 functionality tasks, 9.5 for implementing 14 functionality tasks & 10 for implementing 15 functionality tasks.

1. A mark of four is awarded for 31 occurrences, three is awarded for 32 occurrences, two is awarded for 33 occurrences & one is awarded for 34 occurrences