# **ID721001: Mobile Application Development**

# **Project Assessment Rubric**

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| --- | --- | --- | --- | --- |
|  | **10-9** | **8-7** | **6-5** | **4-0** |
| **Functionality** | Application contains comprehensive & robust evidence on the following:   * Opens & runs on API 28: Android 9.0 (Pie) without file structure & code modification. * Country data fetched from a GitHub Gist & displayed in a list. * Text translation & text to speech support. * Selection of well-known phrases. * Register a new user, login a user and logout a user. * Interactive quiz. * Google map displaying tourist attractions as markers. * Light & dark mode. * Splash screen with Lottie animation. * Like & favourite a country. * Adaptive launcher icon. * Visually attractive UI. * Published to & downloadable from Google Play Store. * UI tests verify correctness. * Incorrectly formatted input fields handled. * Appropriate feedback given to a user. | Application contains clear & detailed evidence of functionality on the following:   * Opens & runs on API 28: Android 9.0 (Pie) without file structure & code modification. * Country data fetched from a GitHub Gist & displayed in a list. * Text translation & text to speech support. * Selection of well-known phrases. * Register a new user, login a user and logout a user. * Interactive quiz. * Google map displaying tourist attractions as markers. * Light & dark mode. * Splash screen with Lottie animation. * Like & favourite a country. * Adaptive launcher icon. * Visually attractive UI. * Published to & downloadable from Google Play Store. * UI tests verify correctness. * Incorrectly formatted input fields handled. * Appropriate feedback given to a user. | Application contains evidence on the following:   * Opens & runs on API 28: Android 9.0 (Pie) without file structure & code modification. * Country data fetched from a GitHub Gist & displayed in a list. * Text translation & text to speech support. * Selection of well-known phrases. * Register a new user, login a user and logout a user. * Interactive quiz. * Google map displaying tourist attractions as markers. * Light & dark mode. * Splash screen with Lottie animation. * Like & favourite a country. * Adaptive launcher icon. * Visually attractive UI. * Published to & downloadable from Google Play Store. * UI tests verify correctness. * Incorrectly formatted input fields handled. * Appropriate feedback given to a user. | Application does not, or does not fully contain evidence on the following:   * Opens & runs on API 28: Android 9.0 (Pie) without file structure & code modification. * Country data fetched from a GitHub Gist & displayed in a list. * Text translation & text to speech support. * Selection of well-known phrases. * Register a new user, login a user and logout a user. * Interactive quiz. * Google map displaying tourist attractions as markers. * Light & dark mode. * Splash screen with Lottie animation. * Like & favourite a country. * Adaptive launcher icon. * Visually attractive UI. * Published to & downloadable from Google Play Store. * UI tests verify correctness. * Incorrectly formatted input fields handled. * Appropriate feedback given to a user. |
| **Code Elegance** | Kotlin & XML files thoroughly contain no magic numbers/strings & are stored in their appropriate XML files.  Application code thoroughly demonstrates code elegance on the following:   * Idiomatic use of control flow, data structures & other in-built functions. * Sufficient modularity, i.e., code adheres to DRY, KISS & MVVM. * Adhere to an OO architecture, i.e., classes, functions, concise naming & functions assigned to the correct classes. * Efficient algorithmic approach. * Code comments documented using KDoc. * API keys stored & retrieved from local.properties. * Code formatted Kotlin & XML files. * No dead or unused code. | Kotlin & XML files mostly contain no magic numbers/strings & are stored in their appropriate XML files.  Application code clearly demonstrates code elegance on the following:   * Idiomatic use of control flow, data structures & other in-built functions. * Sufficient modularity, i.e., code adheres to DRY, KISS & MVVM. * Adhere to an OO architecture, i.e., classes, functions, concise naming & functions assigned to the correct classes. * Efficient algorithmic approach. * Code comments documented using KDoc. * API keys stored & retrieved from local.properties. * Code formatted Kotlin & XML files. * No dead or unused code. | Kotlin & XML files contain some magic numbers/strings & are stored in their appropriate XML files.  Application code demonstrates code elegance on the following:   * Idiomatic use of control flow, data structures & other in-built functions. * Sufficient modularity, i.e., code adheres to DRY, KISS & MVVM. * Adhere to an OO architecture, i.e., classes, functions, concise naming & functions assigned to the correct classes. * Efficient algorithmic approach. * Code comments documented using KDoc. * API keys stored & retrieved from local.properties. * Code formatted Kotlin & XML files. * No dead or unused code. | Kotlin & XML files contain frequent magic numbers/strings & are not or are not fully stored in their appropriate XML files.  Application code does not or does not fully demonstrate code elegance on the following:   * Idiomatic use of control flow, data structures & other in-built functions. * Sufficient modularity, i.e., code adheres to DRY, KISS & MVVM. * Adhere to an OO architecture, i.e., classes, functions, concise naming & functions assigned to the correct classes. * Efficient algorithmic approach. * Code comments documented using KDoc. * API keys stored & retrieved from local.properties. * Code formatted Kotlin & XML files. * No dead or unused code. |
| **Documentation & Git Usage** | README file contains comprehensive evidence of:   * URL to application’s privacy policy. * URL to commented code generated to Markdown using Dokka. * URL to application on Google Play Store.   Git commit messages comprehensively formatted & reflect the feature changes in concise detail. | README file contains clear evidence of:   * URL to application’s privacy policy. * URL to commented code generated to Markdown using Dokka. * URL to application on Google Play Store.   Git commit messages clearly formatted & reflect the feature changes in substantial detail. | README file contains evidence of:   * URL to application’s privacy policy. * URL to commented code generated to Markdown using Dokka. * URL to application on Google Play Store.   Git commit messages formatted & reflect the feature changes in detail. | README file does not or does not fully contain evidence of:   * URL to application’s privacy policy. * URL to commented code generated to Markdown using Dokka. * URL to application on Google Play Store.   Git commit messages do not or do not fully formatted & reflect the feature changes. |

# **ID721001: Mobile Application Development**

# **Project Assessment Marking Cover Sheet**

Name:

Date:

Learner ID:

Assessor’s Name:

Assessor’s Signature:

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **Out Of** | **Weighting** | **Final Result** |
| Functionality | 10 | 40 |  |
| Code Elegance | 10 | 45 |  |
| Documentation & Git/GitHub Usage | 10 | 15 |  |
| **Final Result** | | | /100 |
| **This assessment is worth 65% of the final mark for the Mobile Application Development course.** | | | |

**Feedback:**

**Functionality:**

**Code Elegance:**

**Documentation & Git Usage:**