## Android Fundamentals Project Self-Evaluation

**Instructions:** Once you’ve completed your Final Project, please evaluate it against the components of the rubric below. For each criteria that you met, put an “X” in either the “Does Not Meet Specifications” or the “Meets Specifications” box. For some criteria, we ask you to provide an explanation of where and how it was implemented in your app. This is a chance for you to briefly explain to the grader your thought-process during development. Once you are done, include this with the source code and accompanying files you are submitting. Then, give yourself a pat on the back for making a great app!

### Required Components

To “meet specifications”, your app must fulfill all of the criteria listed in this section of the rubric.

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Does Not Meet Specifications** | **Meets Specifications** |
| Standard Design |  |  |
| App does not redefine the expected function of a system icon (such as the Back button). |  | X |
| App does not replace a system icon with a completely different icon if it triggers the standard UI behavior. |  | X |
| App does not redefine or misuse Android UI patterns, such that icons or behaviors could be misleading or confusing to users. |  | X |
| **Navigation** |  |  |
| App supports standard system Back button navigation and does not make use of any custom, on-screen "Back button" prompts. |  | X |
| All dialogs are dismissible using the Back button. |  | X |
| Pressing the Home button at any point navigates to the Home screen of the device. |  | X |
| **Permissions** |  |  |
| App requests only the absolute minimum permissions that it needs to support core functionality. |  | X |
| App does not request permissions to access sensitive data or services that can cost the user money, unless related to a core capability of the app. |  | X |
| **Please elaborate on why you chose these permissions:**  The permission required by my app is for INTERNET as it's main function to search the book in the openlibrary server and fetch the JSON data about the book, needs internet connectivity.  The app also requires ACCESS NETWORK STATE permission to let the user know that the app requires internet connectivity. |  |  |
| **Performance and Stability** |  |  |
| App does not crash, force close, freeze, or otherwise function abnormally on any targeted device. |  | X |
| **ContentProvider** |  |  |
| App retrieves and caches data from a server using a ContentProvider. |  | X |
| If it regularly pulls or sends data to/from a web service or API, app updates data in its cache at regular intervals using a SyncAdapter. |  | X |
| **Please elaborate on how/where you implemented a ContentProvider and SyncAdapter:**  The sync adapter is implemented in the form of JSON adapter it searches the open library server for that particular book and fetches the required data and stores it in the form of an array. If the book searched next is different then it notifies a dataset changed and replaces the earlier stored values.  A custom content provider has also been added that gives an idea of how a content provider should work in case of this app.A sample database has been created and handled.  Since the app is mainly based on internet and doesn't fetch large amount of complicated data ,therefore,it hasn't been implemented. |  |  |
| **User/App State** |  |  |
| App correctly preserves and restores user or app state. |  | X |
| When the app is resumed after the device wakes from sleep (locked) state, the app returns the user to the exact state in which it was last used. |  | X |
| When the app is relaunched from Home or All Apps, the app restores the app state as closely as possible to the previous state. |  | X |
| **Please elaborate on how/where your app correctly preserves and restores user or app state:**  Whenever user rotates or resumes app, app shows the closest layout to the last state where the user left like if a book name was entered by the user halfway and then the app was paused due to some reason, on resume the app will start from exactly the same point without any glitch in the app/app getting crashed.  App data has been preserved and restored using saved instances in bundles and is restored when required.  The app even uses sharedpreferences which notifies the user about the navigationdrawer that the app contains, by opening it automatically when the user installs the app for the first time. |  |  |

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### Optional Components

To receive “exceeds specifications”, your app must fully implement all of the criteria listed under at least two of the four categories below (e.g. Notifications, ShareActionProvider, Broadcast Events, and Custom Views).

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Does Not Exceed Specifications** | **Exceeds Specifications** |
| Notifications |  |  |
| Notifications do not contain advertising or content unrelated to the core function of the app. | X |  |
| Notifications are persistent only if related to ongoing events (such as music playback or a phone call). | X |  |
| Multiple notifications are stacked into a single notification object, where possible. | X |  |
| App uses notifications only to indicate a context change relating to the user personally (such as an incoming message). | X |  |
| App uses notifications only to expose information/controls relating to an ongoing event (such as music playback or a phone call). | X |  |
| **Please elaborate on how/where you implemented Notifications in your app:**  The app doesn't require notifications at moment due to the current features but at some point of time in future I would like to implement it in notifying the users about returning books borrowed from the library ,in an updated version of the app . | X |  |
| ShareActionProvider |  |  |
| Uses ShareActionProvider to share content with an outside application. |  | X |
| Makes use of Intent Extras to send rich content. |  | X |
| **Please elaborate on how/where you implemented ShareActionProvider:**  ShareActionProvider has been used at two points in the app.  Share Via- When the user finds his book and reads the details of the book(in the detail Activity),the user can share the book via social networking sites/message/SMS etc with his friends about the book.  Email- A user can request a book/journal/magazine/research papers/eBooks by clicking on the floating action button and selecting the logo(a picture of a user with a plus sign) which activates an email intent with preset email-id. |  |  |
| Broadcast Events |  |  |
| App intercepts broadcast events. | X |  |
| App responds to Broadcast events in a meaningful way. | X |  |
| **Please elaborate on how/where you implemented Broadcast Events:**  -NA- |  |  |
| **Custom Views** |  |  |
| App creates and uses a custom View. | X |  |
| App uses a novel View that couldn’t sufficiently be satisfied by the core Views in Android. | X |  |
| **Please elaborate on how/where you implemented Custom Views:**  -NA- |  |  |