## 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 applications needs Internet connection and accounts management, to synchronize data with server side using account credentials |  | x |
| **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:**  I used ContentProvider to store surveys received by HttpRequest in Json format, parsed and stored using ContentResolver within the SyncAdapter service.  The saved surveys are displayed on a ListView using a LoaderManager. The SyncAdapter notify the view each time there is some changes.  Since the server side does not support GCM, I configured a periodic sync, and an immediate sync the first time when the user login, with a ProgressBar loading. |  |  |
| **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:**  I used ContentLoader to populate a ListView component, I made the list item wrapper implements parceable and stored all list item values inside an ArrayList that I putted it serialized on the bundle of the onSaveInstanceState callback, then I test inside the onCreate callback if the bundle state has a null value to decide if the app should launch the LoaderManager callbacks or just retrieves values stored in the bundle. |  |  |

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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:** |  |  |
| **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:** |  |  |
| **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:** |  |  |
| **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:**  I created a custom list item with a small button of a context pop up menu in the buttom right corner to make a better user experience managing surveys. |  |  |