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Demo Video URL :

Project Repo URL : <https://github.com/jojartbence/android-homework-arch-fw> (public repo)

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| Grade Band | Components | Site Features | Navigation | Persistence | GIT |
| Baseline | **Site list:** adapter & recycleView  **Site create, edit:** same fragment & edit flag  **Splash screen:** image for 2 sec | **Title** (necessary)  **Description**  **Images**: started with 4 images | **Cancel** (soft button)  **Delete** **site** (site menu item)  **Up** (appBar)  **Add site** (menu item) |  | **Git repo** (Gitflow design) |
| Good | **Signup/login:** same fragment, started with firebase auth  **Settings:** email, no. sites, no. visited sites | **Up to 4 images**  **Visited checkbox**  **Date visited:** if checkbox ticked  **Additional notes**  **Edit location:** separate fragment | **Logout** (menu item)  **Settings** (menu item) | Separate **JSON** for different **users** (based on email) | **Commit history**  **Tagged releases**  (Gitflow) |
| Excellent | **Map of all sites:** map & clickable markers & image, title, description  **Favourites:** similar to site list fragment | **Rate site:** RatingBar  **Current location detection:** default site location is current location, Fused Location Provider | **Navigation drawer:** header & add, list, map, favourites, settings, logout items  **Landscape support:** can rotate at any time (MVVM) | **Firebase DB:** fetch after login, CRUD functions  **Firebase authentication:** email & password | **Develop branch**  **Feature branches**  (Gitflow) |
| Outstanding | **Search:** in site list, based on titles  **Navigator:** periodically updated current location & site location in one map | **Mark as favourite:** menu item (star icon)  **Share site:** menu item, opens email intent | **Android navigation component:** started the project using this, one activity & fragments | **Firestore images:** images deleted if no longer active  **Offline strategy:** dummy auth & local JSON backup store | **Release branches**  **Hotfix branches**  (Gitflow) |

Additional Comments:

* **MVVM architecture**: data stored in viewModel, so rotating & recreating views do not cause errors
* **Navigation component**: started the project initially using this component, it would be hard to create activities first and then refactor
* **Navigation drawer**: Site list, map of all sites, favourites and settings items is one group with single checkable behaviour, site list is the default
* **Every feature except camera photos directly** implemented, planning to do if have time later
* **Git:** Using Gitflow workflow. Fast-forwarding was turned on at the beginning, turned off now, commit history is more spectacular.