

Hi, I'm Yuchi working on Ride Experience team in Uber. This is the document for Doordash project.

App name: Doordash Pro :-D

External libraries used: retrofit, picasso, rxjava2

Feature implemented: 2 required features and 1 optional feature, "Login with your consumer credentials"

Activity & Fragment: 3 activities and 1 fragment: LoginActivity, HomeActivity, FavoritesActivity and HomeFragment

Architecture design:

- Network layer: defined "DoordashApi" interface to talk to the backend endpoint; ApiClient is the place to set up retrofit and expose doordashApi object; RestaurantSearcher is the class used by downstream to load information from upstream network
- LoginModule has one component, because the logic is pretty straightforward. Call endpoint to see if credentials are correct. On my side, my credentials work fine: kevinhanece@gmail.com, kevin2017
- Home module has controller and view. After successfully logged in, it will start HomeActivity. It contains HomeActivity and HomeFragment. I used RecyclerView to show restaurant list and only show first 20 results, although I found your real Doordash app shows the whole list of nearby restaurant. I just want to make the app simple, though using an image loading library, like Picasso can make it smoothy.
- Favorite restaurant feature: I just make the feature simple. You can click on Favorites in the menu drop-down list to enter favorite list which is the FavoritesActivity. FavoritesActivity re-uses the same controller and view. Adding Favorites: tap on the item on the restaurant list to add it to the favorite list. I thought about several approaches, and this one is simple.