**App Features based User**

Admin

1. Can login as Admin
2. Can Login ad Customer
3. Can Add Item Outlite
4. Can Delete Item Outlite
5. Can Update Item Outlite
6. Can Read list Item Outlite
7. Can Read Map Outlite
8. Auto Get Last Login

Customer

1. Can login as Admin
2. Can Login ad Customer
3. Can Read Map Outlite
4. Can Write Own Map Outlite
5. Auto Get Last Login

AnonymousUser

1. Can Register
2. Can Login by registered User
3. Can Login using Google
4. Can Register as Admin
5. Can Register as Customer

**App Features based Code**

1. UI
   1. Design Following material Design
   2. Material Spinner
   3. SpinKit
   4. Facebook Shimmer
2. Navigation Android
   1. Fragment Navigation
   2. Bottom Navigation
   3. Navigation Between Fragment to Activity
3. Firebase
   1. User Data
   2. Business Data
4. GoogleMap
5. MVVM
   1. ViewModel
   2. LiveData
6. Repository
7. Other
   1. Handle emptyField
   2. Handle OnBack Activity

Customer map to mapFragment

Last Todo Before Submit

1. ~~Change color, use material componen~~
2. ~~LoadingScreen~~
   1. ~~Logo, app Title~~
   2. ~~Make sure timer is fit~~
3. ~~Login Customer, Login Admin~~
   1. ~~Handle wrong input~~
   2. ~~Handle empty input~~
   3. ~~Add Loading~~
   4. ~~Polish UI~~
   5. ~~onBack handle~~
   6. ~~loading when get LastLogin~~
4. Register
   1. Handle wrong input
   2. ~~Handle empty input~~
   3. Add Loading
   4. ~~Polish UI~~
   5. ~~Handle register before get location~~
   6. ~~Handle register done~~
5. Profil
   1. ~~Bottom nav icon~~
   2. ~~onBack handle~~
6. ~~Outlite~~ 
   1. Handle emty field
   2. ~~Item outlite~~
   3. ~~Facebook shimmer~~
   4. ~~Add btn~~
7. AddUpdateOutlite
   1. ~~Polish UI~~
   2. ~~Add Loading~~
   3. Handle empty
   4. ~~Handle success Add / Update~~
   5. Make different Add and Update
8. MAP
   1. Polish UI
   2. Change icon

Other: