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Purity

Description

This program will help solve the problem of garbage that suffer some of Countries By delivering the user to the cleaning companies

Intended User

Any one want to Get rid of litter Like(Families , Hotels , restaurant , hospitals)

Features

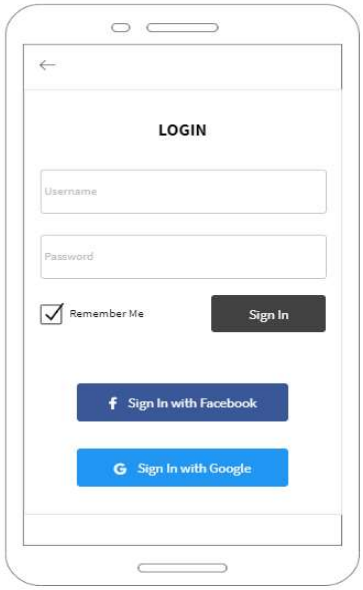
List the main features :

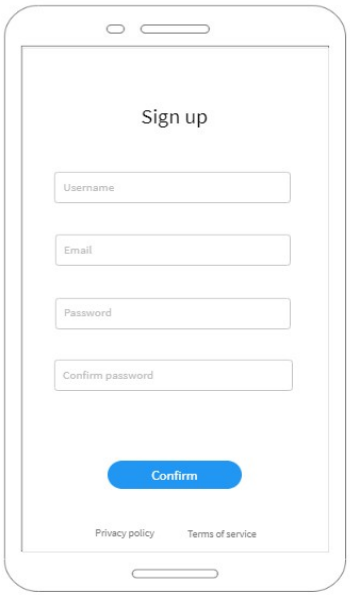
1- Take the location from User

2- Send photo From User to The place in garbage on street
3- Take some Information like Email – Phone num - Account bank
4- Receive The Reviews form User
5- Allow for User to Contact with The company
6- Know All events about Awareness of the importance of hygiene

User Interface Mocks

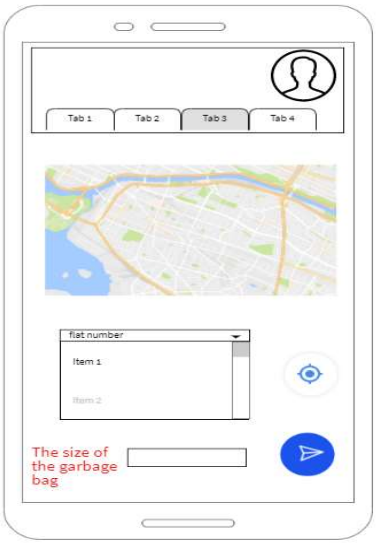
Screen 1





It is for Login in App an Sign Up

Screen 2

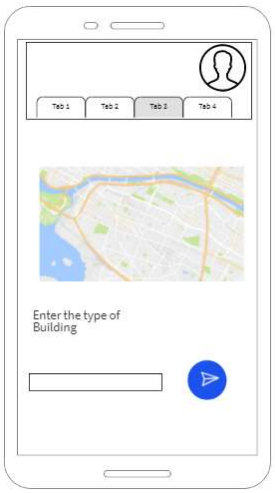


If the garbage on home he will send location and number of Flat and Approximate size of the bag

Screen 3

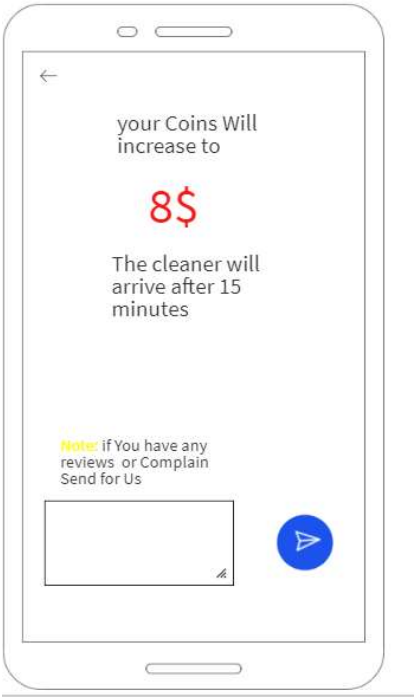
If the garbage on Street he will send location and Image of garbage.

Screen 4



If the garbage on Buildings or organization he will send location and Type of Building .

Screen 5

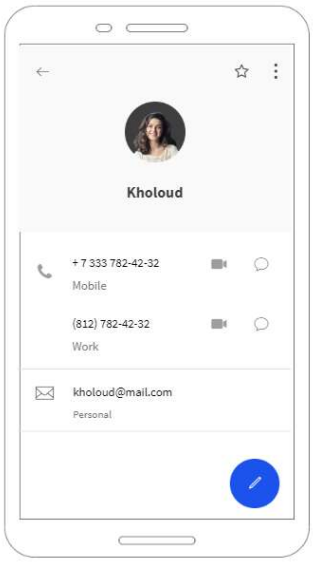


If He send Massage or Use our App he Will Take money , In order to motivate them to use APP .

This will appare when use Screen 2 ,3 Only (For Persons).

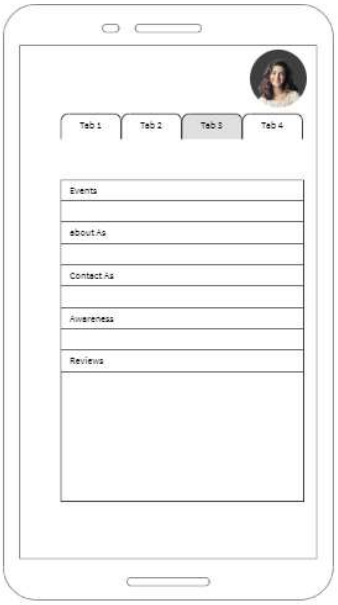
And Send any reviews if any .

Screen 6



It is allow to change his contacts and His number

Screen 7



This tab will contain of Events and some Article about clean and Awareness of the importance of hygiene and View About Company and Some Contact s for Combany.

Key Considerations

How will your app handle data persistence?

Use Realtime FireBase Database .

Describe any libraries you'll be using and share your reasoning for including them.

Architecture Components (LiveData, ViewModel, Room, Paging) for creating robust, testable, maintable app

2. **DataBinding** for binding UI components in layout and prevent boilerplate code
4. **Retrofit** for a type safe HTTP client
6. **GSON** for JSON serialization
8. **Glide** for image loading and caching
9. **Stetho** for network inspection
10. **EasyPermission** for easy way runtime permission
11. **Timber** for logging

Describe how you will implement Google Play Services or other external services.

Google Maps : This app uses Google Play Services for Google Maps API that display Location adress on map.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

Creation of the project
- Adding the project dependencies
- Obtain API key

Task 2: Implement Dependency Injections

- Create module classes and components

Task 3: Implement Network Requests

- Create models classes
- Create Retrofit API service

Task 4: Implement Data Persistence

- Create Room Database
- Create entities for Users, Home and Buildings .
- Crete dao classes

Task 5: Implement MainActivity

- Build UI for MainActivity
- Implement RecylerView item for Article (show only 10)
- Create ViewModel and Repository classes
- Save user location to SharedPreferences (current location or any location that user wants)
