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SpaceGO

Description

The Problem:

In Egypt, The culture of Co-working communities recently showed up but there is many spaces that I didn't heard about.
There is no APIs for such places in Egypt, so I decide to build my own database and provide the others with its API too.

SpaceGo application shows the nearby co-working spaces location around you and search about any space in Egypt's cities.

Intended User

Co-Working communities' seekers

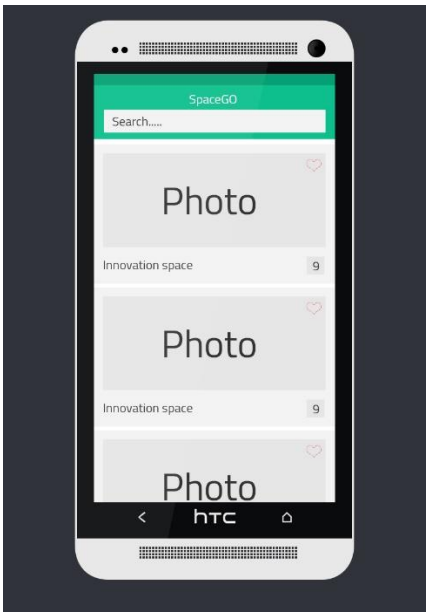
Features

- Find Nearby space
- Favorite any space
- Access to space location
- Add spaces you know (authenticated users)
- Make comments (authenticated users)
- Rate the space (authenticated users)

User Interface Mocks

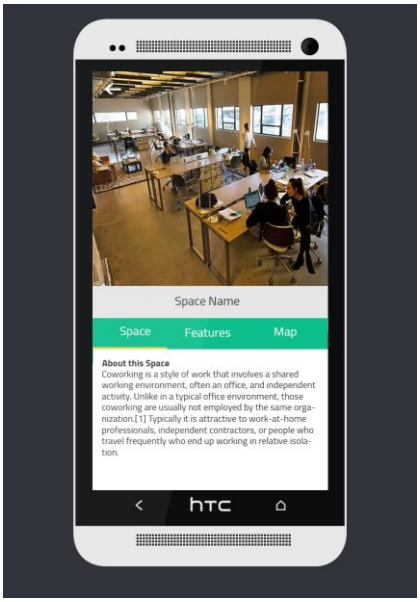
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

Screen 1



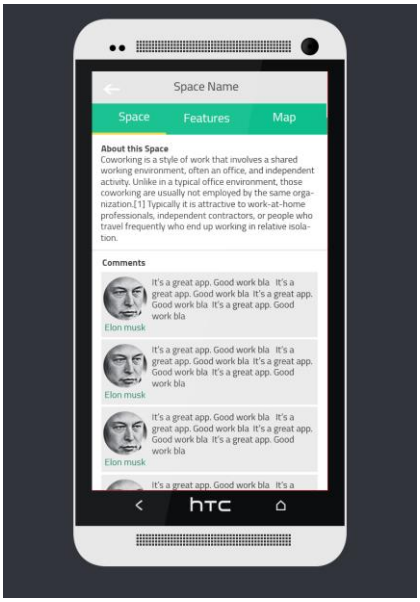
The main screen of the app that shows the most rated spaces or the most favorite spaces.

Screen 2



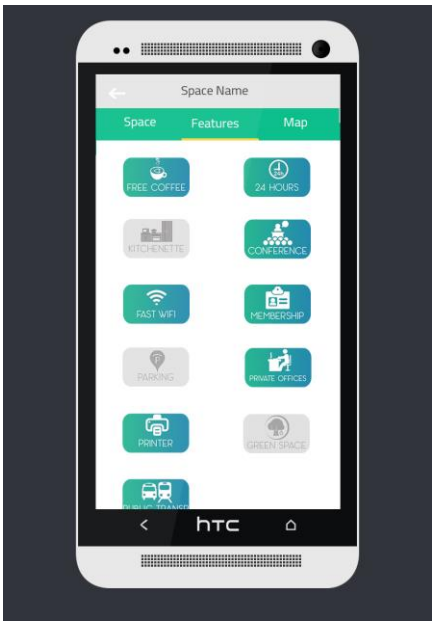
Details screen that shows an image of the space ,the description and comments of people that visited this space.

Screen 3



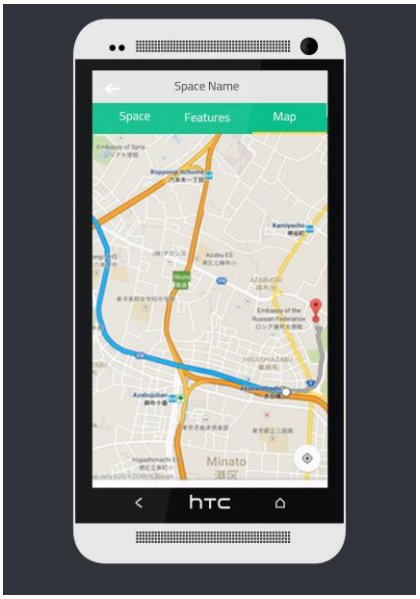
More details.

Screen 4



Feature screen that shows how many feature you can find in this space.

Screen 5



Map Screen that shows the location of the space.

Key Considerations

How will your app handle data persistence?

I will use Firebase database as my data persistence. I will use AsyncTask to handle all requests.

Describe any edge or corner cases in the UX.

For the first time there is a splash screen to know the user how to find his intended working space then the main screen of top rated spaces all over Egypt show.
He can search for space in his city by write its name in search bar if the app not found spaces in database, it shows a dialog to tell him.
If the user want to add this space that he not found in my database, by click on floating button that show an add space activity. He also can find nearby spaces without searching.
If he clicked on back button it'll back to the main screen.

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

1. Firebase Authentication
2. Firebase database
3. Firebase storage
4. Glide
5. MaterialTabs
6. Circular progress-button
7. SpringIndicator
8. MaterialViewPager
9. Circleimageview
10.gson

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

1. Firebase database ,Authentication and Storage.
2. Google location API to implement google play services.

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

- Configure libraries
- Configure Google places API
- Build Spaces Database
- Configure Authentication
- Search for Spaces.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for Login screen
- Build UI for MainActivity
    - Main screen (Fragment)
    - Search bar
    - Navigation drawer
- Build UI for DetailsActivity
    - Implement viewPager
    - Space description (Fragment)
    - Feature screen (Fragment)
    - Map screen (Map activity)
- Settings screen (PreferenceActivity)
- Build UI for Splash screen

Task 3: Add functionality for the UI

Make users able to :

- write comment
- Favorite space
- Rate any space
- Add new space to the database

Task 4: Implementing Nearby space

- Implementing Map activity
- Make app search for nearby space
- Implementing Settings Activity

Task 5: Implementing Nearby space list Widget

- Build Widget UI

- Build Widget provider
- Implementing widget to show list of nearby spaces
- Testing it.

Task 6: Prepare App for release

- Testing app for any bugs
- Design App icon
