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Sexual Harassment Reporter

Description

The Sexual Harassment in Egypt is a big problem and they always blame the woman and treat the victim as a criminal. They think that the woman's clothes is the reason behind everything and if she is wearing whatever the man thinks it's suitable he has the right to harass her. So the App will allow the women to report the areas which they have been harassed in it to build a map and database for those groups to help the women to avoid those areas and to help the decision makers if they want to help the women.

Intended User

The App is for the women in Egypt and its content from them too.

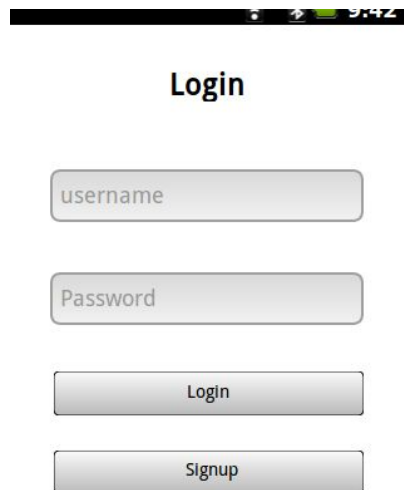
Features

- Report a harassment.
- View a list of the harassment points near you.
- View the harassment points on the map.

User Interface Mocks

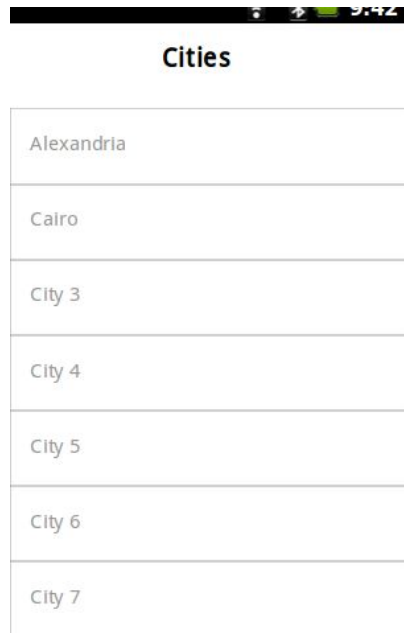
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Login Screen

A mockup of a login screen. At the top, there is a black status bar with white icons for signal, Wi-Fi, and battery, and the time 9:42. Below the status bar, the word "Login" is centered in a bold, black font. Underneath "Login", there are four rounded rectangular input fields stacked vertically. The first field is labeled "username", the second is labeled "Password", the third is labeled "Login", and the fourth is labeled "Signup". All labels are in a light gray font.

This is the main screen which will allow the user to login or make an account if he/she doesn't have one. It will call our API/Backend service to verify the user inputs.

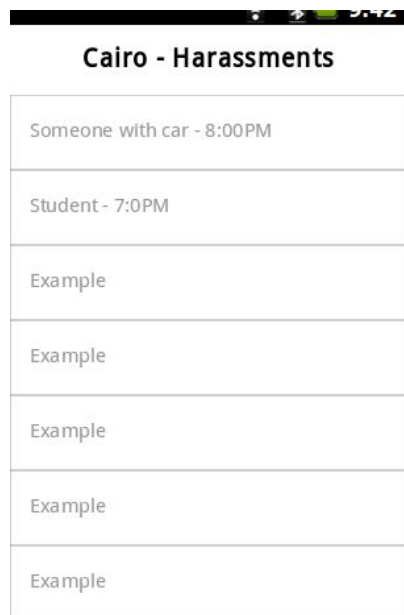
Cities List Screen

A screenshot of a mobile application screen titled "Cities". At the top, there is a status bar with a signal strength indicator, a battery level indicator, and the time 9:42. Below the title, there is a list of seven cities: Alexandria, Cairo, City 3, City 4, City 5, City 6, and City 7. Each city name is displayed in a light gray font within a white rectangular box with a thin gray border.

Alexandria
Cairo
City 3
City 4
City 5
City 6
City 7

A list of the cities which will be provided through the API/Backend service.

Harassments List Screen

A screenshot of a mobile application screen titled "Cairo - Harassments". At the top, there is a status bar with a signal strength indicator, a battery level indicator, and the time 9:42. Below the title, there is a list of seven harassment reports. The first report is "Someone with car - 8:00PM". The remaining six reports are labeled "Example". Each report is displayed in a light gray font within a white rectangular box with a thin gray border.

Someone with car - 8:00PM
Student - 7:0PM
Example
Example
Example
Example
Example

A list of the reported harassments in a city which will be provided through the API/Backend service.

Harassment Details Screen



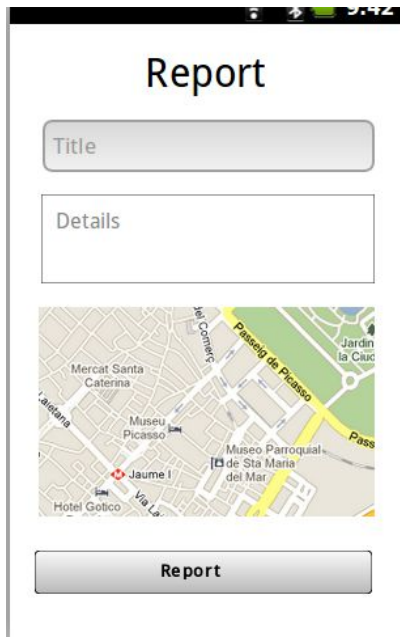
A harassment details without showing the reporter name and allowing the user to share the geo point and the details to the other android apps.

Nearby Reported Areas Screen



Searching for nearby reported points to avoid them.

Report Screen



Report

Title

Details

Report

To report about a sexual harassment area.

Key Considerations

How will your app handle data persistence?

The app will use only local database to store the user's API token and all the data will be stored online so no need for Content Provider.

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

- 1- ActiveAndroid : To help with the local sqlite database.
- 2- Picasso : To Download and cache the images.
- 3- android-async-http : To make the requests to the API/Backend Service.

Next Steps: Required Tasks

Task 1: Project Setup

First of all I will setup my own backend environment and built the API and the Android Libraries configuration.

subtasks :

- Setup the backend environment
- Built the API requests for :
 - Signup
 - Login
 - List of cities
 - List of harassments
 - Report a harassment
 - Nearby harassments
- Config ActiveAndroid to store the user data
- Config AsyncHTTP and store its data in the XML files

Task 2: Implement UI for Each Activity and Fragment

- Build UI for LoginActivity
- Build UI for SignupActivity
- Build UI for CityListActivity
- Build UI for HarassmentsListActivity
- Build UI for HarassmentDetailsActivity
- Build UI for NearbyHarassmentsPointsActivity
- Build UI for ReportHarassmentActivity

Task 3: Implement the Login and Signup functionality

Subtasks :

- Login and store the user data in the local database
- Signup and send the user data to the API and make the login function in the same time

Task 4: Implement the cities list and the harassments list of a city

Subtasks :

- Finishing the cities list
 - Get the city list from the API
 - Send them to the cities adapter to render the UI
- Finishing the harassments list if a city
 - Get the harassments list from the API
 - Send them to the harassments adapter to render the UI

Task 5: Implement the harassment details screen

- Fetching the data from the API and fill it in the UI.

Task 6: Implement the harassment report screen

- Get the user location and send it with the harassment details which he/she entered to the API.