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BusiCard

Description

Busicard lets you collect all your business cards in your phone. All your business contacts will be securely stored and easily to find.

Intended User

businessman

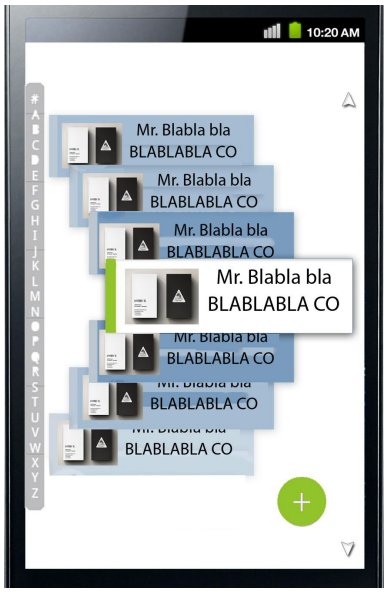
Features

➤ Simple Interface, just to fast store and recover your business cards
➤ Respect your privacy. Cards are stored in your phone, only you will be able to look at it
➤ Take pictures of your cards and edit contact details
➤ Read contact details from QR codes
➤ Totally free. No adds, banners or partial features.

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.

Screen 1



Business Card list

Screen 2

Business card contact detail

Add as many screens as you need to portray your app's UI flow.

Key Considerations

How will your app handle data persistence?

The application will have a content provider based on a SQLite database

Describe any corner cases in the UX.

➢ if there are no items in the businesscard list, a toast will be showed to the user every time the user touch the screen.
➢ If the user tries to scan a QR code and scanner app is not installed, the user will be ask to install it and a button to go to the app in Google Play will be presented.

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

➢ ZXing (https://github.com/zxing/zxing). Bar code scanner recognition to extract contact information from barcode images.

Next Steps: Required Tasks

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

Task 1: Project Setup

ZXing
Install the library as an intent. The user will be prompted to download it, but will make the integration easier. For integrate the library I will follow the steps described here.

Interface List
For the list of business cards, I will follow the implementation described in this link in stackoverflow

Database
The implementation of the database will follow a structure similar to Sunshine-Version-2

Interface Design

Material Design guidelines will be followed, as specified in this guide.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for Businesscard list
- Build UI for Detailed view

Task 3: Implement Database

- Define Schema and contract
- Create a Database Using a SQL Helper
- Implement Read, Write, Delete and Update operations

Task 4: Implement QR code scanner

- Create layout
- Add ZXing library
- Implement scanning
- Retrieve scanning results
- Integrate results in business contact detail.

Add as many tasks as you need to complete your app.

Submission Instructions

1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"