Capstone Stage 1

Human manager

Description

Keep your employees up to date, have important information and bonus according to each one of them. Forms that integrate crucial fields for each employee.

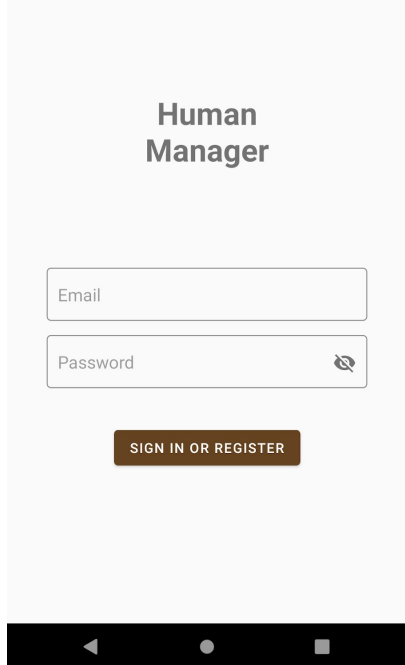## Intended User

Human resource managers

Features

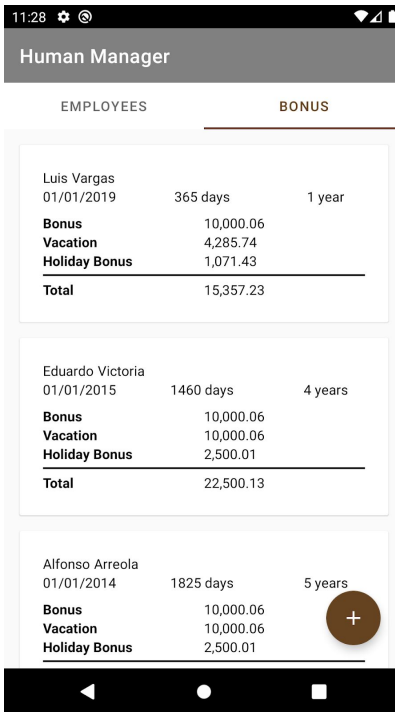Main features of app:
- Saves information
- Calculate bonus

User Interface Mocks

Screen 1

User, in this and only case be a resource human manager, can sign in or register in Screen 1 and when succeed go the Screen 2, otherwise show error message.
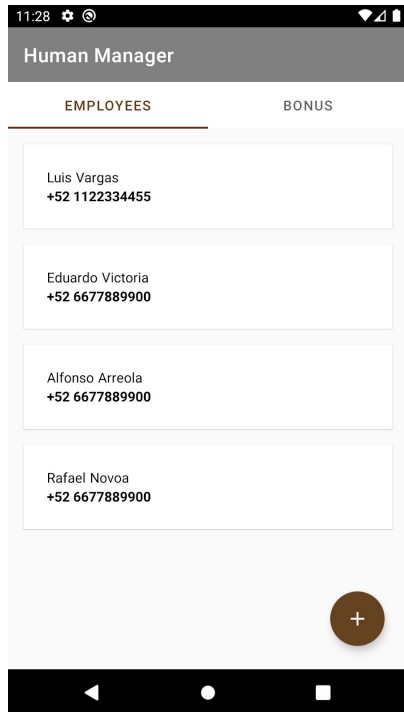
Screen 2

In the Screen 2 main activity will listen to database changes that occur in an update with the employees modified, added or removed.

Screen 3

In the Screen 3 user can add one employee it can only be accessed in main activity 2 with the floating action button

Key Considerations

How will your app handle data persistence?

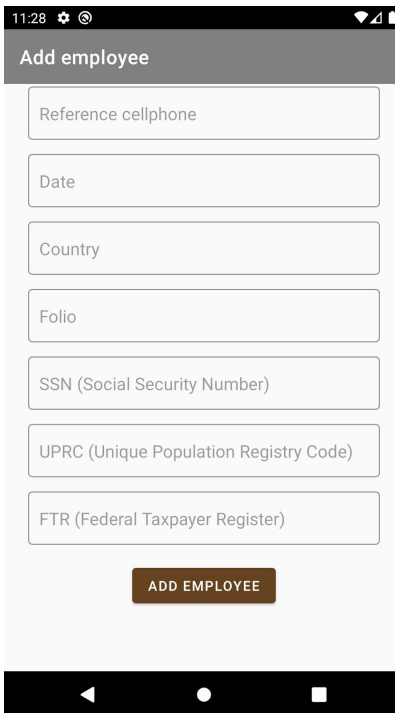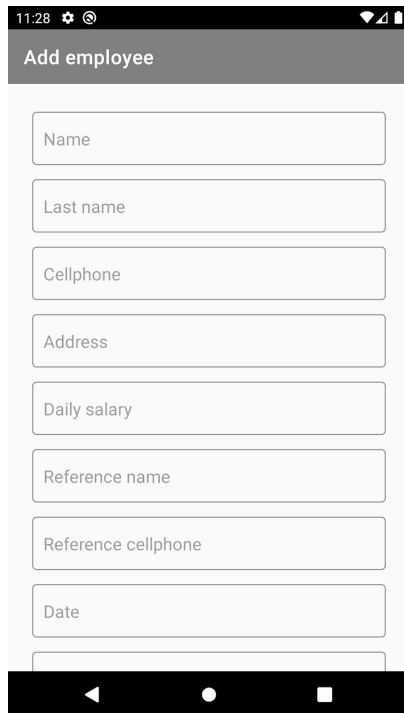Application will use Firebase Cloud Firestore to store every employer as a document into the resource manager collection of employers

Describe any edge or corner cases in the UX.

Every time user initiates session or sign up for first time back button will exit application because login screen finishes.
Main activity fab shows add activity and after clicking on add button finishes and refresh recyclerview.

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

Handle database with Room.

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

I will implement google-services for Firebase Cloud Firestore

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 SDK version
- Configure Proguard rules
- Configure repository

Task 2: Implement UI for Each Activity and Fragment

- Build UI for LoginActivity
- Build UI for MainActivity
- Build UI for UserFragment
- Build UI for UserAdapter
- Build UI for BonusFragment
- Build UI for BonusAdapter
- Build UI for AddActivity

Task 3: Add Firebase Cloud Firestore

Add firebase cloud firestore to google-services.json expecting it in .gitignore, also add Room to adapt the database

- Implement database room
- Implement firebase cloud firestore

Task 4: Login Activity

Implement authentication into Login Activity
- Implement functionality

Task 5: Main Activity

Implement listeners for each users collection called "employees" update every time something changes.
- Implement functionality

Task 6: Add Activity

Add Employer into database and also use this activity to update each Employer.
- Implement functionality