



Retail Pulse | React Native Assignment

A simple Mobile Application to collect Images from Stores.

Overview

The purpose of this exercise is to assess your app development skills. The task involves building an MVP app.

How will we evaluate the task?

1. Overall Implementation of the app.
2. Your understanding and execution of the requirements.
3. UI Implementation
 - a. Smoothness
 - b. Performance in different screen sizes and environments
 - c. Use of the best practices (Material design etc)
4. Modules used and Code Structure
5. App Performance
6. Managing the possible scenarios and edge cases. eg. Back Button Presses, Alert Popups, etc.

Description

Design and build a mobile application to click images and upload them on cloud storage for grocery stores.

The basic flow of the app needs can be as follows:

Login → List of Stores → Select Store → Click Image → Upload Image (Background)

Features

1. The list of stores will be specific to the User (to be fetched from the database, can go up to 1000 per user)
2. There should be a **store search feature**
3. Filters to filter the store list, the values can be taken from the store attributes. (Area, Type, Route, etc) and should be dynamic.
4. Upload **image URL** and **Visit time** to the DB (store_visits node)

Guidelines / Particulars

1. You need to make logins for two users:
 - a. user 1
 - b. user 2
2. default password: "**retailpulse**"
3. Create a firebase project to fetch and store data.
4. You can use the attached JSON for the DB

 assignment_json.json 117.0KB

Deliverables

1. The Application apk
2. A Google Doc Writeup containing:
 - a. Assumptions you took while creating the application
 - b. Workflow of application
3. Codebase
4. Screen recording of the working app



Use this [link](#) to upload your deliverables

Brownie Points

1. Handling online-offline uploading of images.
2. Click and upload multiple images (upload happens in the background and based on device connectivity)
3. Sync with database based on connectivity.
4. Suggest how can we make this application better.