

PredictSpring POS App Exercise

Mobile Product Catalog

Overview

Your objective is to make a Mobile Product Catalog app to demonstrate downloading a large data file.. The app downloads a large file, CSV, containing more than 2 million rows, processes them by columns and finally inserts into a local SQLite database.

A simple UI with a search bar that allows the app users to search the product catalog with product ID and display the results in a table view cell.

Send an email to sandilya@predictspring.com if you have any questions

Requirements

1. Use an iPad/iPhone and Swift language
2. The iOS app takes the [file](#) name as input.
3. The app streams the file into memory or a local file
4. Process the file for records by parsing the rows and columns
5. Insert records into SQLite database
6. Provide stats on progress while processing the file.
7. Provide a single screen to search products from the db
8. Display the products in a table view. (You can display 10 or 20 at a time and support scroll)

Deliverables

1. The application project folder archive
2. A simple design doc for the application logic
3. Test cases