FYP

APP MAKING

ShoPair

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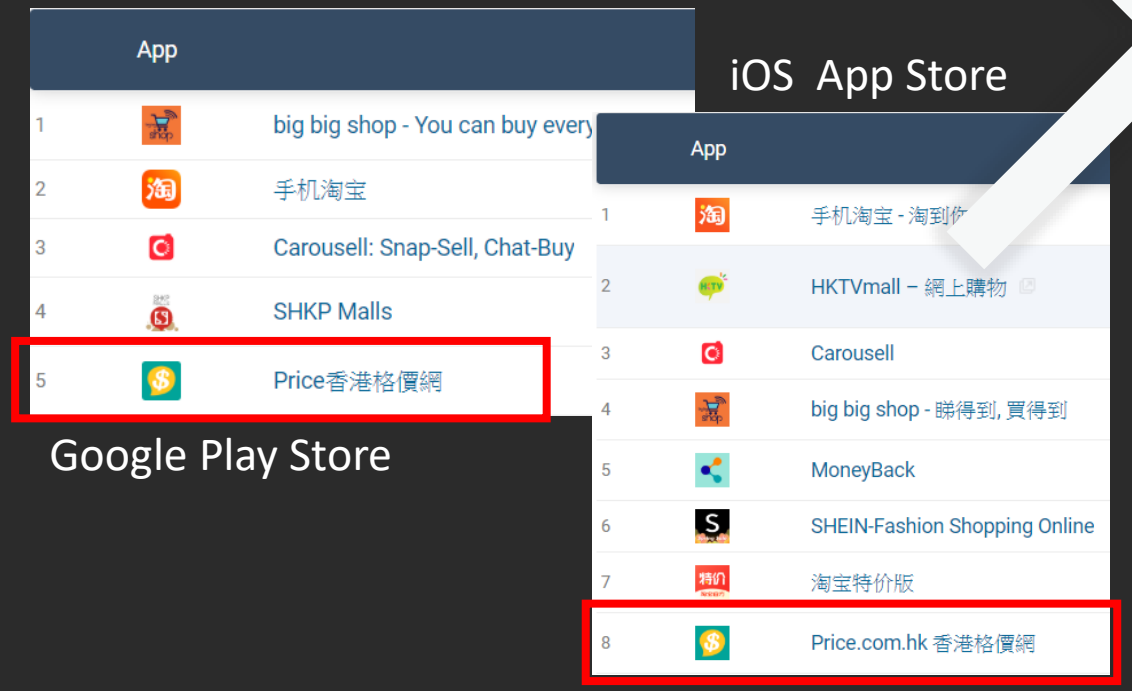
Introduction

In the FYP project, an App is making to help Hong Kong citizen to have a platform to comparing the product price.

- ShoPair
  1. Searching system (APP)
  2. Price comparing (APP)
  3. Admin website

ShoPair

Literature Review



Price.com (in 2020):

Google Play Store → Top 5

iOS App Store → Top 8

Hong Kong People

- most connected consumers in the world
- Want competitive prices

Expedia

Expedia

Flight and hotel comparing website/App

- Not for item compare
- Not for local places

Price.com

Price.com

Product price comparing website/App

- Not all category is included
- Information only provided from the shop

Handy Lah

Handy Lah

Product price comparing website/App

- Only 6 supermarkets is included
- Information only provided from the shop

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Project Objectives

- Project
- App (ShoPair)
- Website (ShoPair)
- Report

Decision of software tools

React Native

Android App

HBS

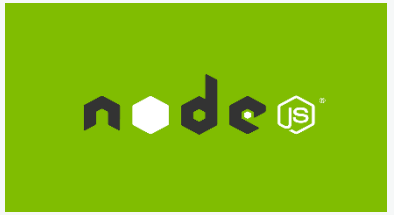
Website

Mongodb

Database

Node.js

Server



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App Introduction

- Server
  - Linkage back and front end
  - API linage (APP)
- Database
  - Saving all the data

App

Client

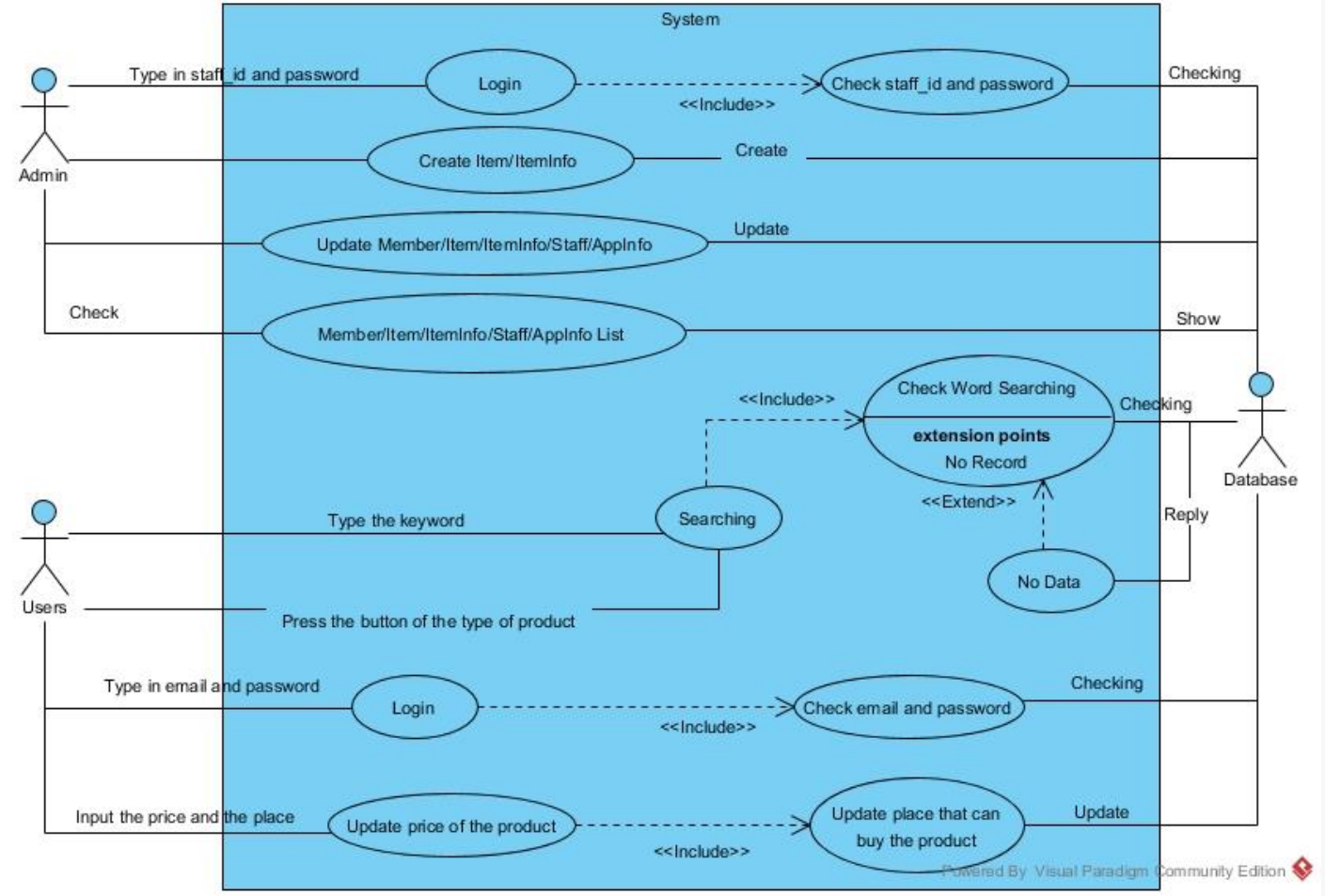
Login, Searching, Create

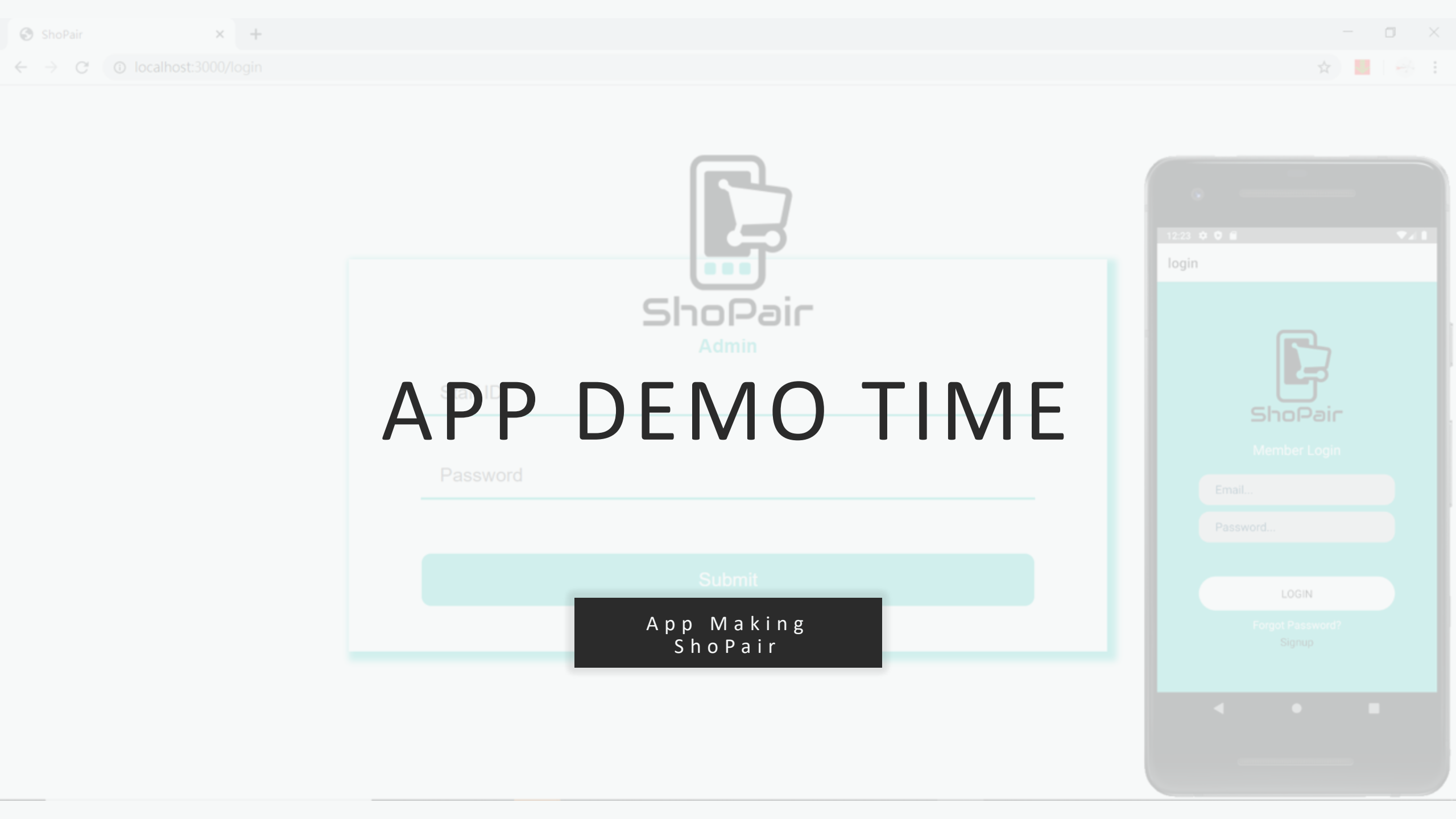
Website

Admin

Login, Create, Update

Use Case


System
Admin
Type in staff_id and password
Login
Check staff_id and password
<<Include>>
Checking
Create Item/ItemInfo
Create
Update Member/Item/ItemInfo/Staff/AppInfo
Update
Check
Member/Item/ItemInfo/Staff/AppInfo List
Show
Check Word Searching
extension points
No Record
<<Include>>
Checking
Database
<<Extend>>
Reply
Users
Type the keyword
Searching
No Data
Press the button of the type of product
Type in email and password
Login
Check email and password
<<Include>>
Checking
Input the price and the place
Update price of the product
Update place that can buy the product
<<Include>>
Update
Powered By Visual Paradigm Community Edition


ShoPair
localhost:3000/login
ShoPair
Admin
Password
Submit
APP DEMO TIME
App Making
ShoPair
login
ShoPair
Member Login
Email...
Password...
LOGIN
Forgot Password?
Signup

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Problems / difficulties encountered

- Time
  - Limitation of time
  - Need great improvement
- Knowledge
  - React native

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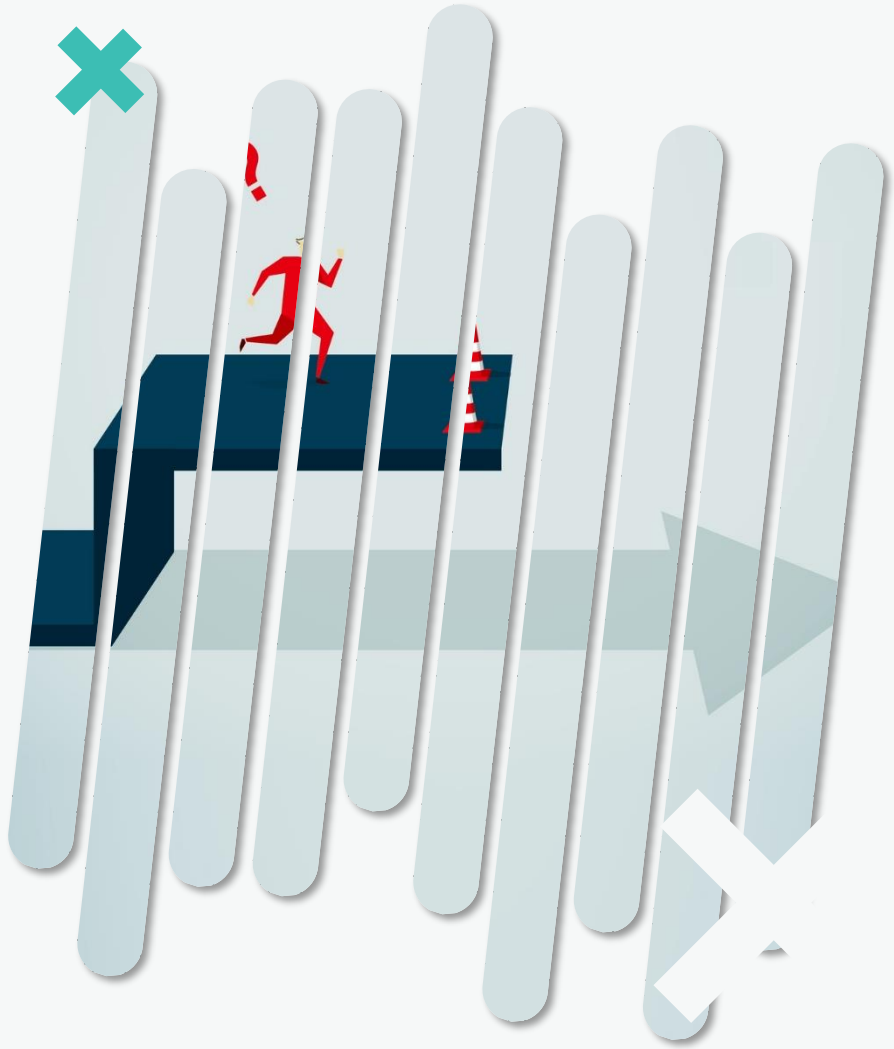
Limitations of the system

Database

- Not much data
- Time to handle



Future Improvement

- AI object recognition (App)
- Mapping (App)
- Top Item (App)
- Recommendation (App)
- History (App)
- Image Improvement (App)
- User Profile (App)
- Dashboard (Website)
- API (Database)

conclusion

Q & A