ParkingIntegration

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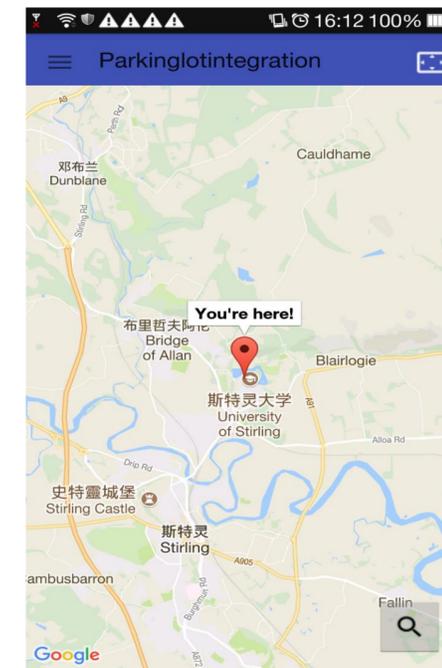
MSc in Software Engineering

Guest

Member

Top-up & payment

Search

Book

Enter & Leave

Select Space

Scan QRcode

Registration

Server side

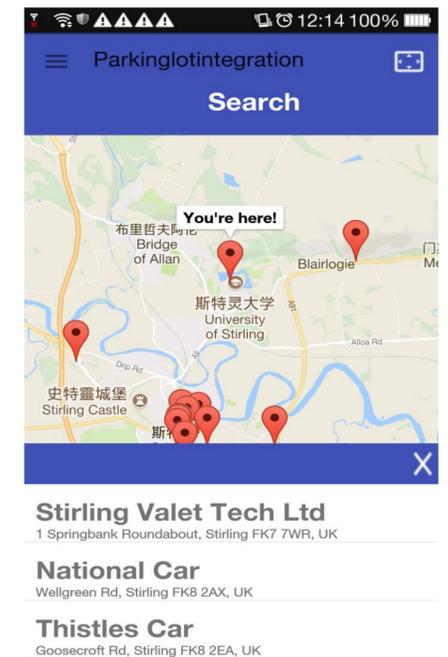Make payment

DataBase (SQLite)

Client

Leave

This application employs a mobile phone app and a server and aims to simplify parking in a car park. It proposes to:
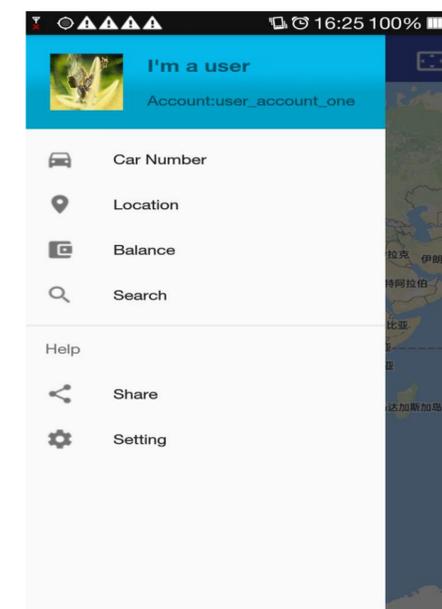
1. Allow car owners to book a space in advance or on entry by app
2. Aid car entry and exit through QRcodes or NFC
3. In the future simplify payment

App behaviour

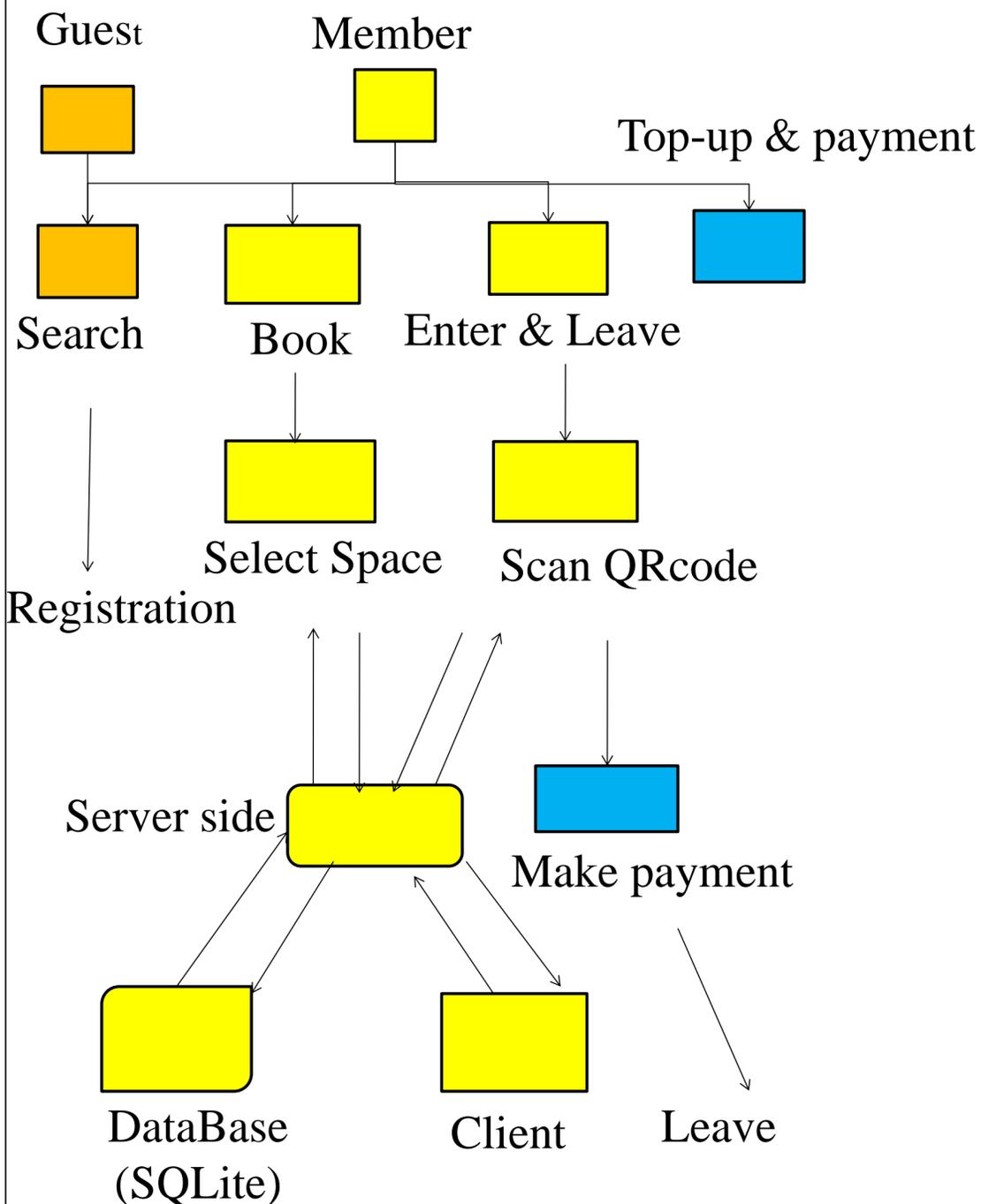Server side behaviour

Database behaviour

Orange: Completed
Yellow: In Progress
Blue: will be completed in the future

Parkinglotintegration

You're here!

1. Before Search

Parkinglotintegration

Search

You're here!

Stirling Valet Tech Ltd
1 Springbank Roundabout, Stirling FK7 7WR, UK

National Car
Wellgreen Rd, Stirling FK8 2AX, UK

Thistles Car
Goosecroft Rd, Stirling FK8 2EA, UK

2.Show result of search

I'm a user
Account:user_account_one

Car Number

Location

Balance

Search

Help

Share

Setting

3.Personal Detail Interface

Pic 1. Click Search Image which show in the right of bottom
Pic 2. Show user the result of search

Pic 3. Personal Detail Interface is for guest to Log in, for user to set up their personal information