EZ Order

TEAM 7
박윤빈, 서준원, 안재원, 한욱제
Computer Science Engineering

1.
Project Idea

- Target users & the problems they are facing
- Key solution approach

Target Users

1. Stores

: maximise profit and minimise cost, increase efficiency, manage customers well

2. Users

: order menu easily (without queueing), be time efficient

Key Solution Approach to tackle the problem

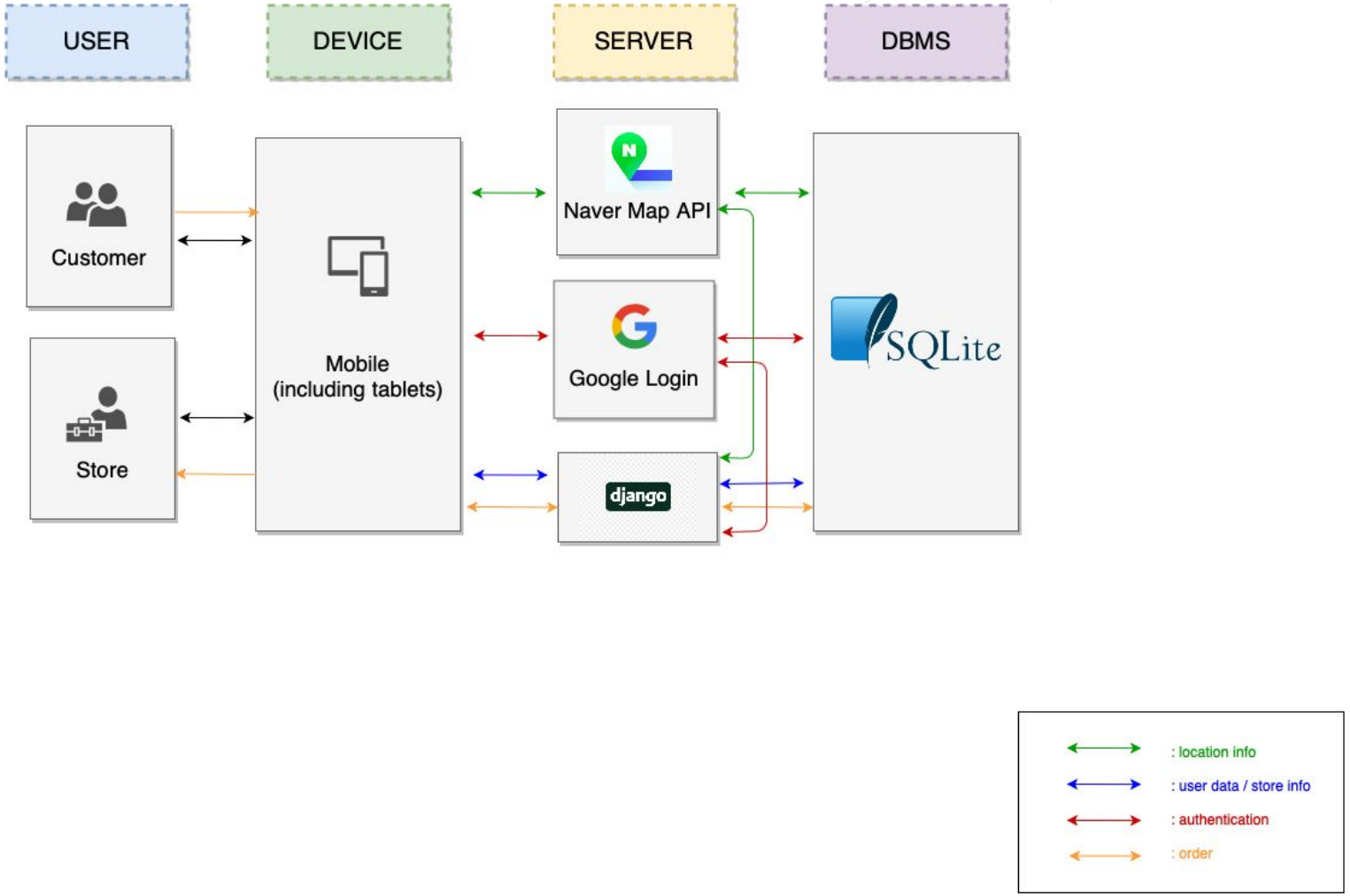
1. Store

: Provide order management cum advertisement system through a mobile application

2. User

: Provide virtual ordering system through a mobile application (elimination of physical queues)

2.
System Architecture Overview


USER
DEVICE
SERVER
DBMS
Customer
Store
Mobile
(including tablets)
Naver Map API
Google Login
django
SQLite
: location info
: user data / store info
: authentication
: order

3.
Key Technical Challenges & Solutions

Key Technical Challenges (currently solved)

1. Separate User Interface

: for stores and users

2. Queueing System

: queue based on timestamp (without separate consideration of physical queues)

Key Technical Challenges (future)

1. Login method

: integrating firebase authentication (**google**, kakao, naver)

2. Payment system.....
3. Authenticating stores

: getting access to business registration info

4.
Project Schedule

Current & future implementations

Current Implementations

1. Login page (django token authentication)
2. Sign up page (as a store VS as a user)
3. Store

: my store, menu, viewing orders, editing store information

4. User

: my profile, search stores, list of stores, ordering

Future Implementations

1. Login (with firebase authentication)
2. Listing stores according to set location
3. Payment
4. Notification when order is ready
5. Testing on Tablet views for store interface

Roles

안재원:	Backend	//	Login, Location
서준원:	Request	//	Payment
한욱제:	User	//	Notification
박윤빈:	Store	//	Design

5.
Final Deliverable & Success Criteria

Final Deliverable

1. Android application that allows registration of a store, including its information and menu
2. Allows user to order menu at requested store without having to physically queue

Success Criteria

1. Sign up
2. Login
3. Store

: able to update information & menu, track orders

4. User

: able to set location, access list of stores accordingly, order, pay, notified when order is ready

6. Demonstration

Thank You!