



# Project 2

# SwiftSpot

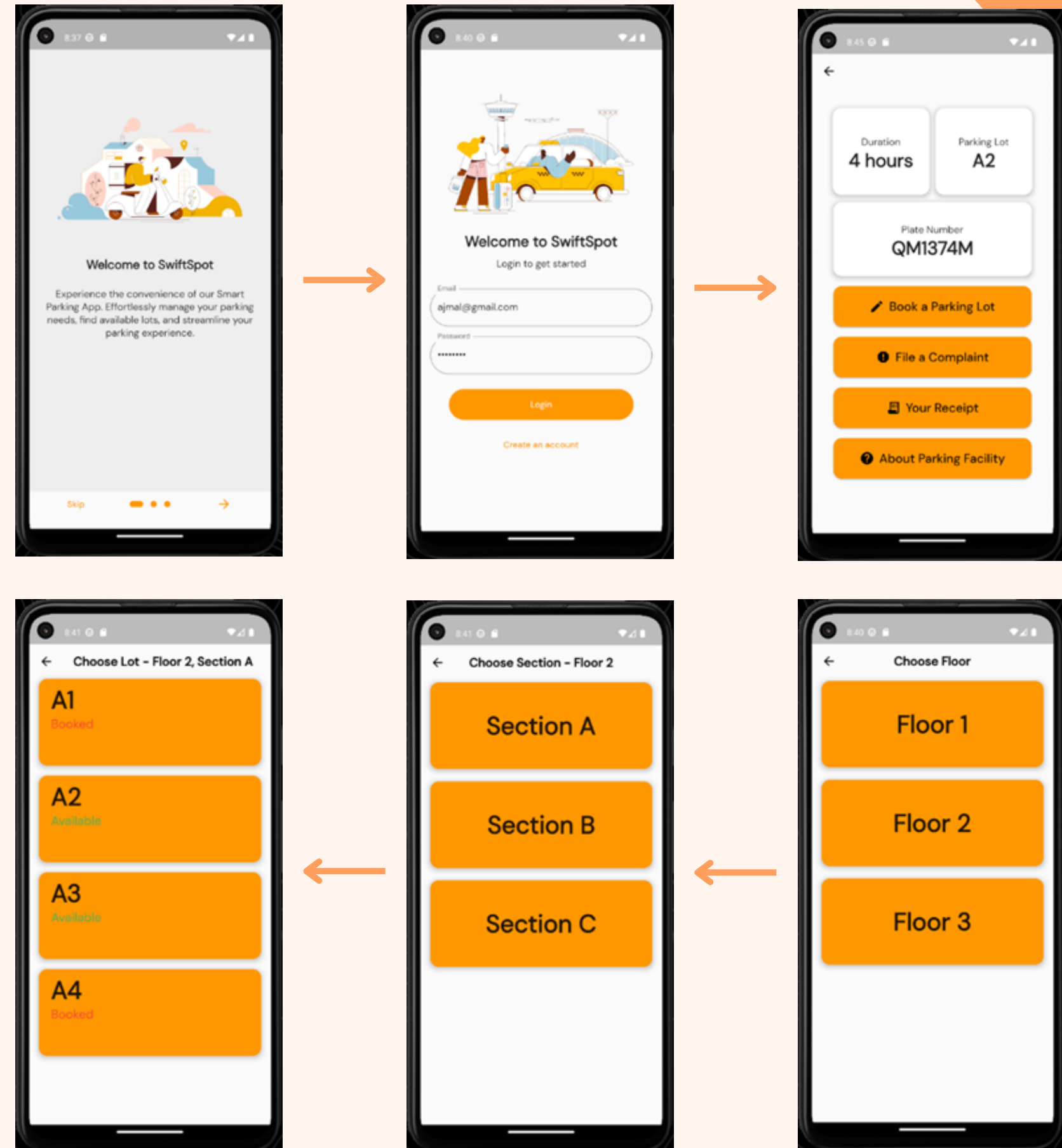
## Smart Parking Application

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# introduction

- Location details, parking type, costs, hours, and accessibility information.
- Users can seamlessly select preferred parking lots and specify duration.
- Integration with Firebase Realtime Database ensures efficient and secure data storage.
- Focus on simplicity and visual appeal for an optimal user experience.

# user interface



8:42

Parking Details

Parking Lot: Floor 2 - A2

Parking Rate: RM3.00 per hour

Choose Parking Duration (Use the slider to choose):

Selected Duration: 4 hours

Your Name

Arif Ajmal

Phone Number

013-9808271

Car Plate Number

QM1374M

Proceed to Payment



8:42

Payment Information

Parking Lot  
A2  
Plate Number  
QM1374M

Parking Rate  
3.00 per hour  
Duration  
4 hours

Total Payment  
RM12.00

Enter Payment Information:

Full Name

Billing Address

Credit Card Number

Expiry Date (MM/YY)

CVV



8:48

Parking Receipt

Thank you for parking with us!

Parking Lot  
A2  
Parking Rate  
RM 3.00 per hour

Duration  
4 hours  
Date  
13/01/2024 at 8:48 AM

Total Payment  
RM 12.00

Please come again!

8:47

File a Complaint

Complaint Type  
Pothole

Floor  
Floor 2

Parking Lot  
B2

Your Name

Arif Ajmal

Your Phone Number

013-9808271

Submit Complaint

8:49

About Parking Facility

Location  
ABC Parking Facility  
123 Main Street, Cityville

Parking Type  
Type: Garage Parking  
Restrictions: No oversized vehicles

Cost  
Hourly Rate: \$3.00  
Daily Maximum: \$15.00  
Accepted Payment Methods: Cash, Credit Cards

Hours of Operation  
Monday to Friday: 8:00 AM - 6:00 PM  
Saturday: 10:00 AM - 4:00 PM  
Sunday: Closed  
Special Hours on Holidays

Accessibility  
Accessible Parking Spaces Available  
Ramp Access Provided

# conclusion

- Utilization of Flutter's widget-based architecture for a visually appealing and responsive UI.
- Seamless integration of StatefulWidget and State classes for a smooth and dynamic user experience.
- Efficient data storage and retrieval for parking details, payments, and complaints.
- Flutter's powerful capabilities in developing a comprehensive parking management app.