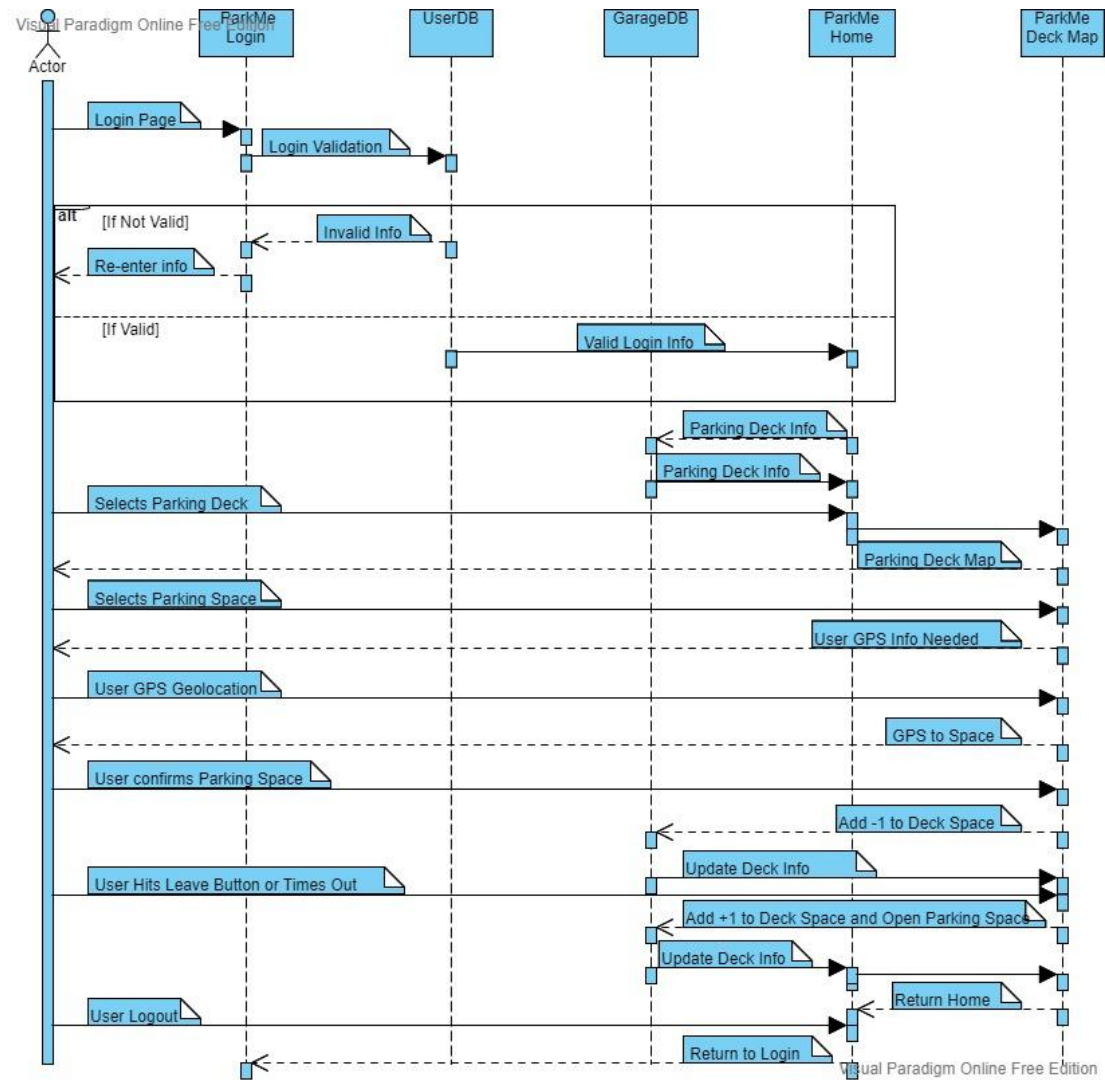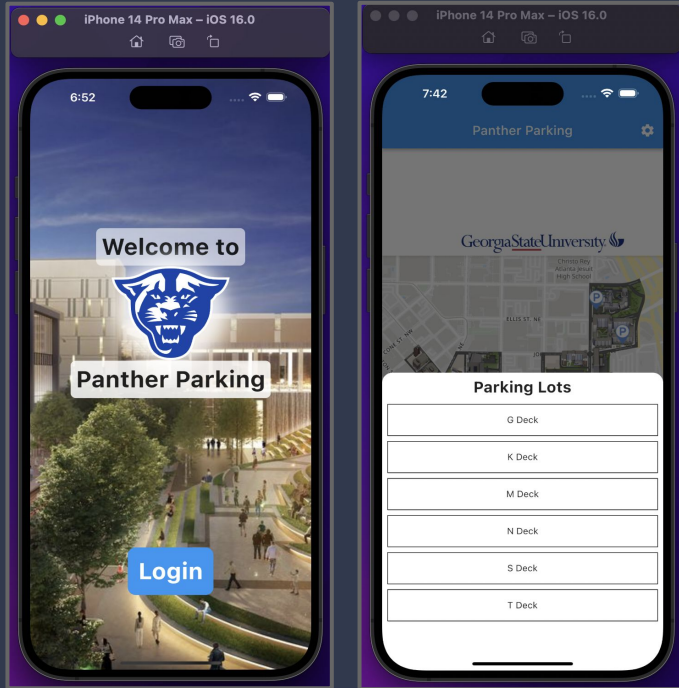# ParkMe

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UML Sequence Diagram
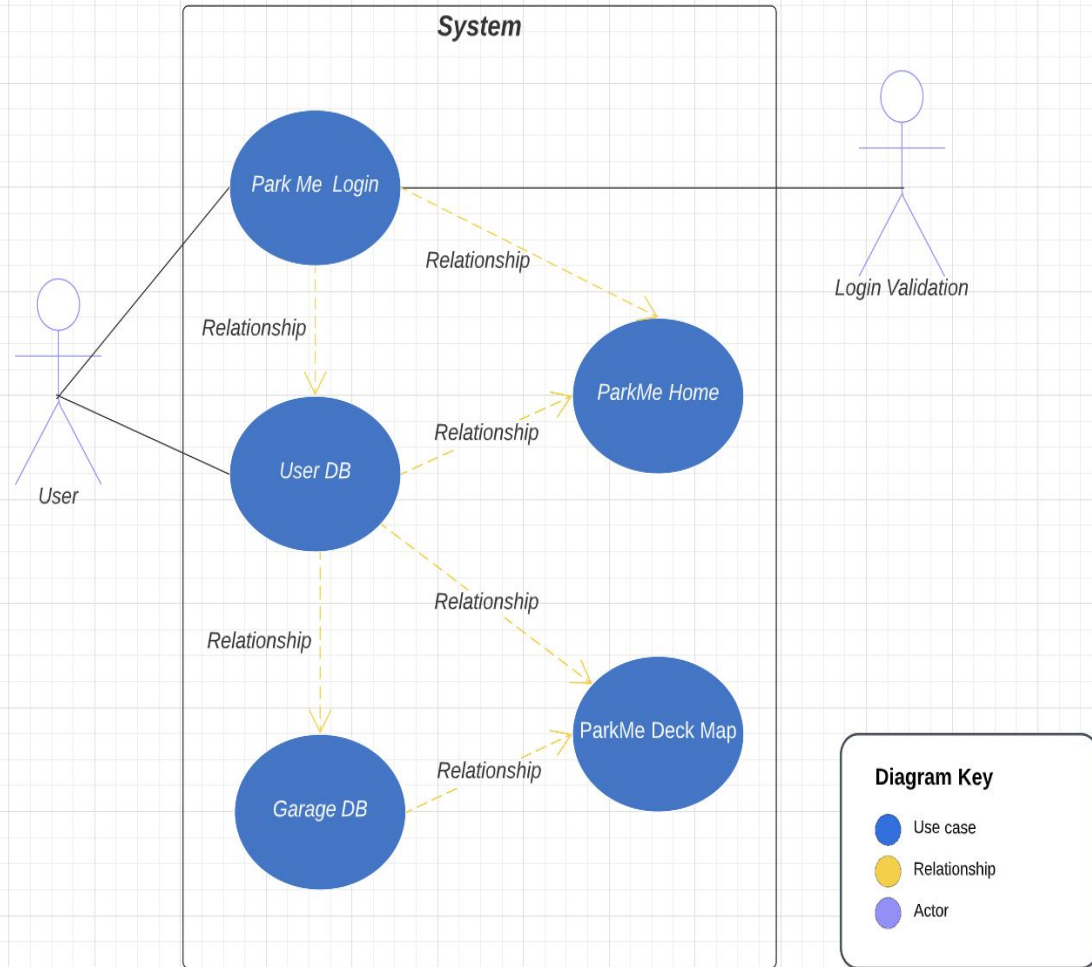
UML Sequence Diagram
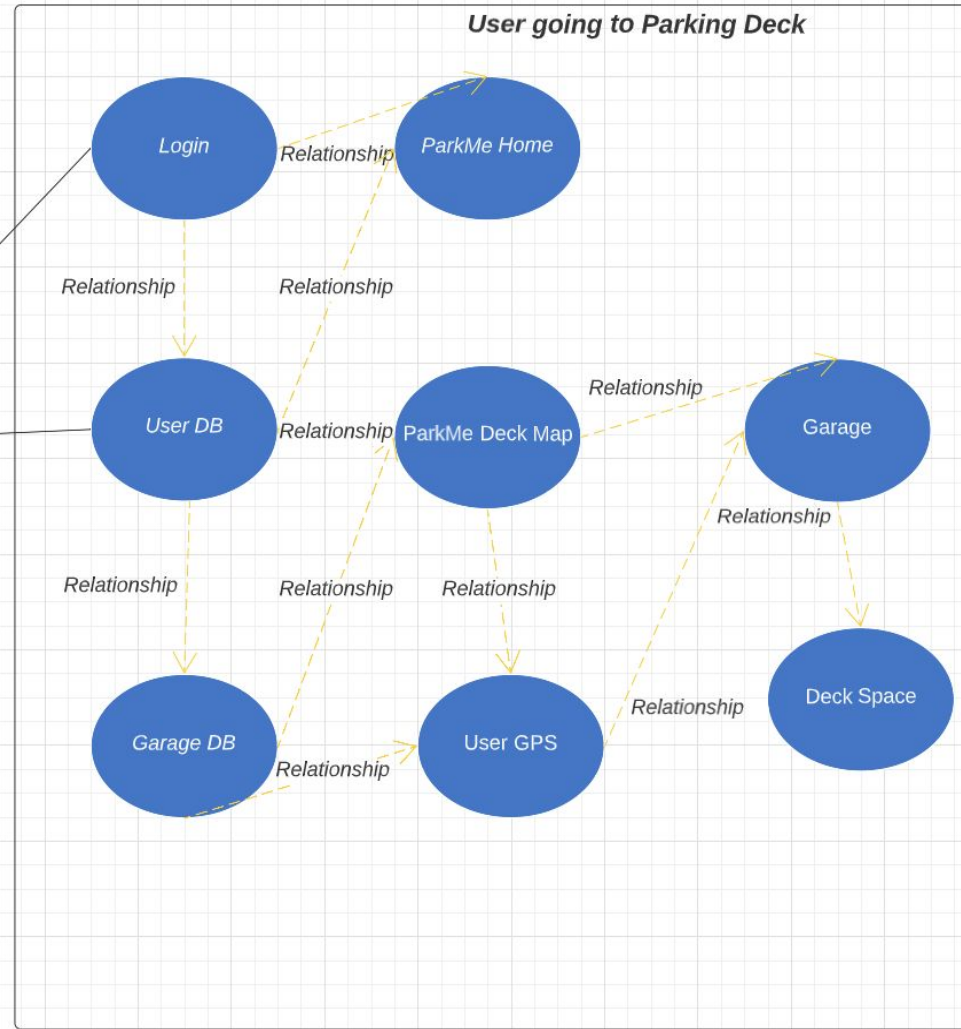
User Case Diagrams

1. Use Case Diagrams

2. Use Case Diagram

User going to Parking Deck

Login — Relationship — ParkMe Home

Login — Relationship — User DB

Relationship

User DB — Relationship — ParkMe Deck Map

ParkMe Deck Map — Relationship — Garage

Garage — Relationship — Deck Space

Relationship — Garage DB

Relationship — User GPS

Relationship

User

User DB — Relationship

ParkMe Deck Map — Relationship — User GPS

Garage DB — Relationship — User GPS

User GPS — Relationship — Deck Space

Test Case Scenarios

Bob is a GSU student that wants to find out the parking situation for all the parking decks at GSU. <u>Bob opens the **ParkMe**</u> Mobile App and is prompted by the home page and login page. ***ParkMe*** <u>displays the list of parking decks and Campus map</u>. Bob looks at M Deck and decides to go over there to get a parking spot. Once arriving, <u>he taps on the icon of M deck</u>, looks at all the parking spaces available for M deck, and ***ParkMe*** <u>shows that there are a couple of green spaces available for the first floor</u>. <u>He taps on the parking spot</u> he wants and <u>hits the confirm button to reserve that spot</u> for himself. ***ParkMe*** <u>then directs Bob to his parking spot in the deck</u> and <u>confirms to</u> ***ParkMe*** <u>that he arrived in the space</u>. He then proceeds to go to class for a couple of hours, and then, returns to his car. Bob goes back into ***ParkMe*** and <u>presses the leave button</u> from his car. Then, <u>he decides to logout of **ParkMe**</u> and he leaves the school campus.

Test Case Scenarios

1. User selects the parking deck

2. ParkMe shows the available parking spaces to User

3. User reserves the parking spot

4. ParkMe asks for User's GPS location information

5. User hits confirm button

6. User hits Leave Button

Thank You