

Car Parking App

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Abstract

The problem of finding a parking lot for your car is a critical problem, especially if you have an important appointment. So our application came to help alleviate this problem. All you have to do is determine the location to be reached and then choose an easily available position. Even before your destination arrives, all you have to do is determine the arrival time and then our application will book your parking

Introduction

To solve the problem of finding a parking space for our cars, especially in crowded cities, we have Create a mobile app for the parking that allows adding their parking spaces into the system and allow individuals to be able to search and find a parking space, view available parking spaces and reserve a parking space.

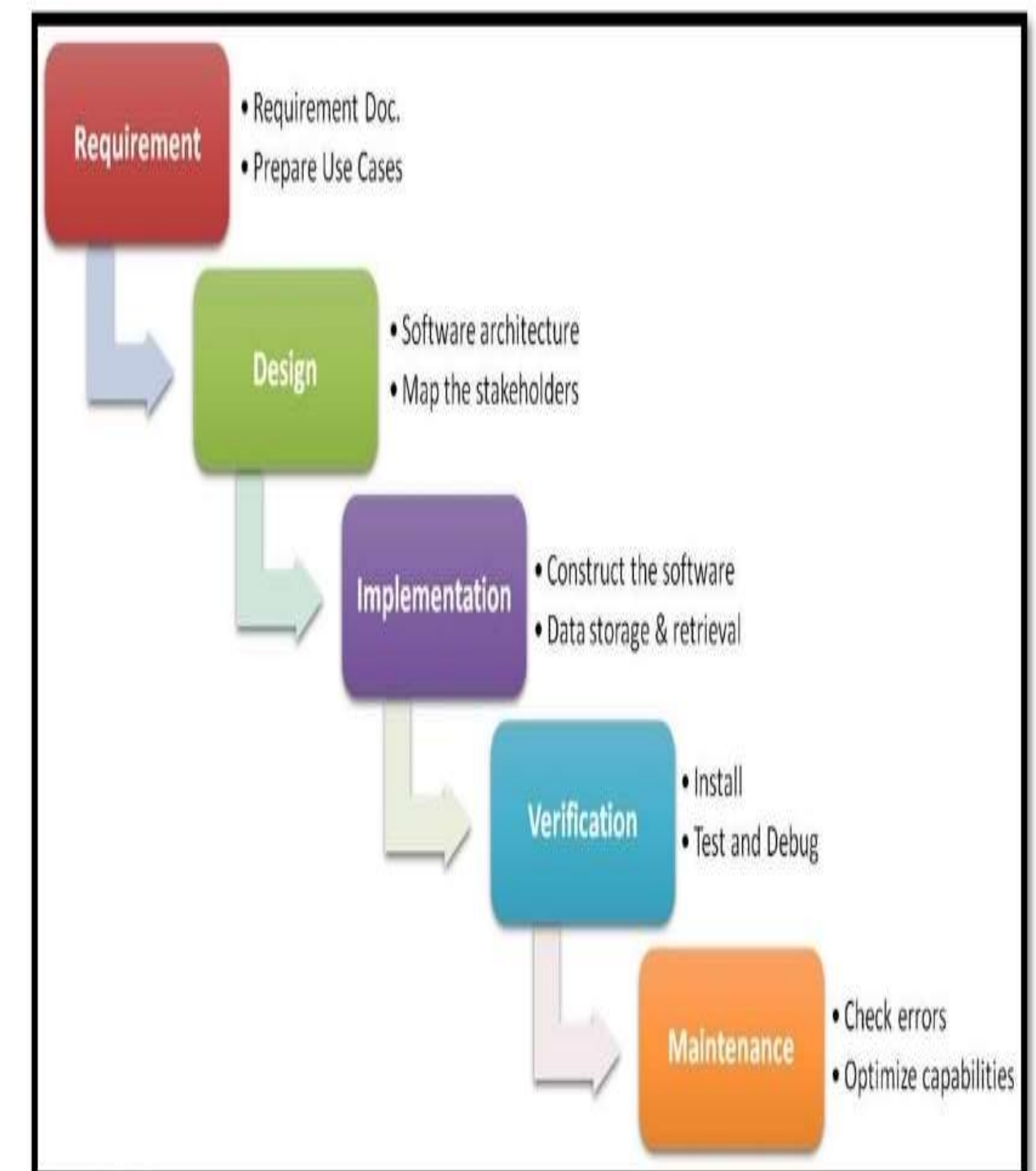


Material Tools



Methodology

We decided to select the waterfall model because :
Simple and easy to understand and use.
Specific deliverable and review process.
Phases do not overlap:
when the development process moves to the next phase, there is no return to the previous stage and there can be no overlap in the phases.
The following illustration is a representation of the different phases of the Waterfall Model.



Aims and objectives

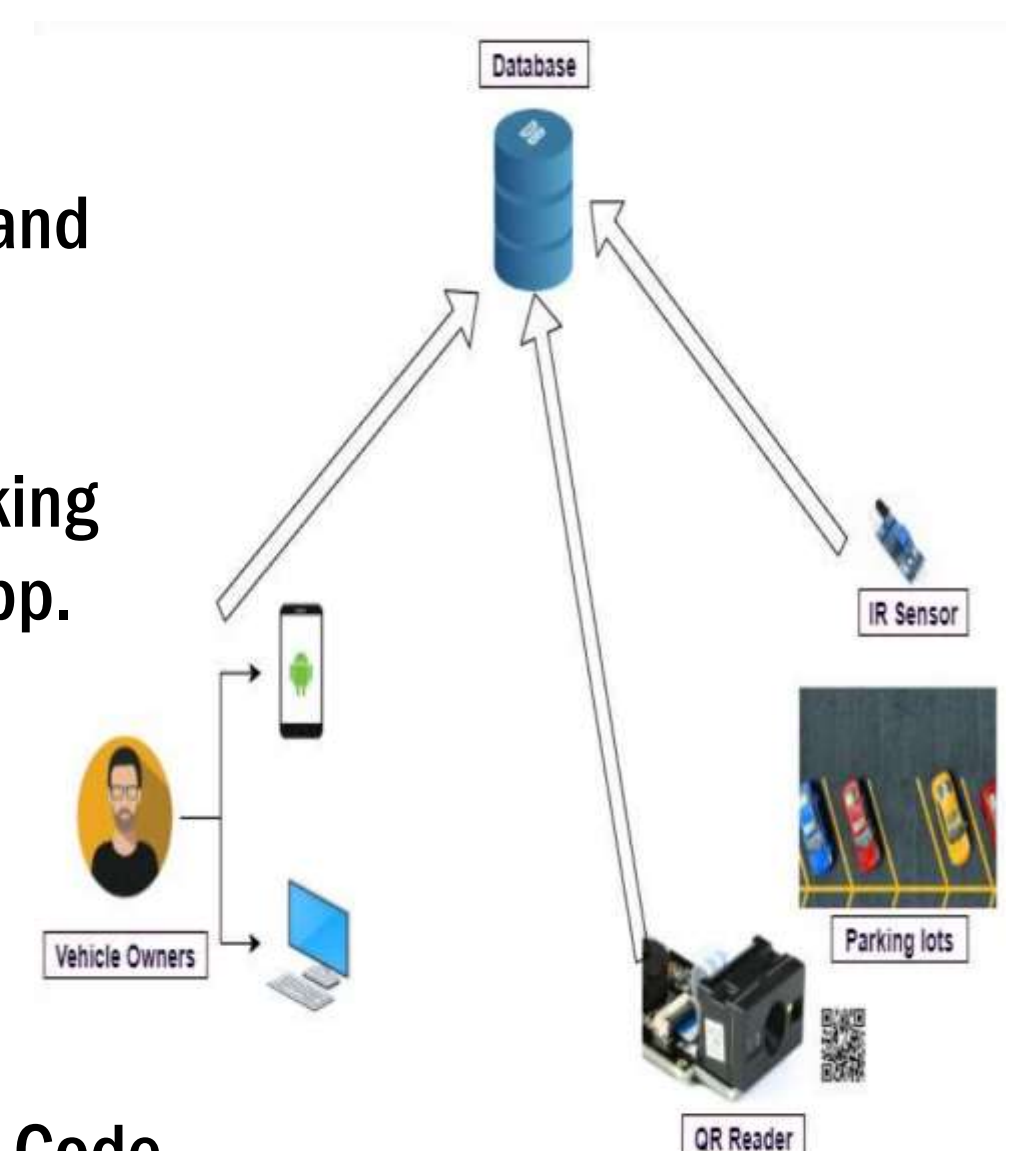
This project would be mainly focused on:

1- Car parking businesses can use our system and show their available parking spots.

2- Assisting the driver to easily find vacant parking spaces in a specific parking region using our app.

3- The driver can reserve a parking slot and determine the period of time and pay for the parking rate.

4- The driver will receive in his reservation a QR Code used at the parking area to open the gate.



Conclusion

This project has been developed to make it an easier way to register new parking areas, register individual users to access these parking areas and find a parking place, select parking slots and pay for parking reservations smartly and easily.

References

- [1]
https://www.researchgate.net/publication/320356747_Design_and_Implmentation_of_Smart_Car_Parking_System
- [2]
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