



Introduction

The need for a good organization of university transportation has become a necessity due to the traffic congestion, especially after the increase in the number of female drivers and the lack of parking spaces. Although the Student Affairs Department is making a grateful effort in providing the university transportation service, many problems with the bus service have surfaced and are not resolved. One of the most prominent of these issues is that reservations are still done manually and this is a problem in itself. Manual management of any process makes it prone to errors, duplication and inconsistency.

Motivation

After we looked at the bus reservation service at the university, we found that they still use paper and pens so we made a survey to find out how satisfied the students were with the service and how difficult it was to book and deal with it and we found that the majority find the service difficult and tiring. So from here we got the motivation to do this project.

SAY GOODBYE TO TRANSPORTATION PROBLEMS

Goals

Our project aims to facilitate the bus reservation service and make it flexible and organized and in line with Vision 2030 to support technology

Future Plants

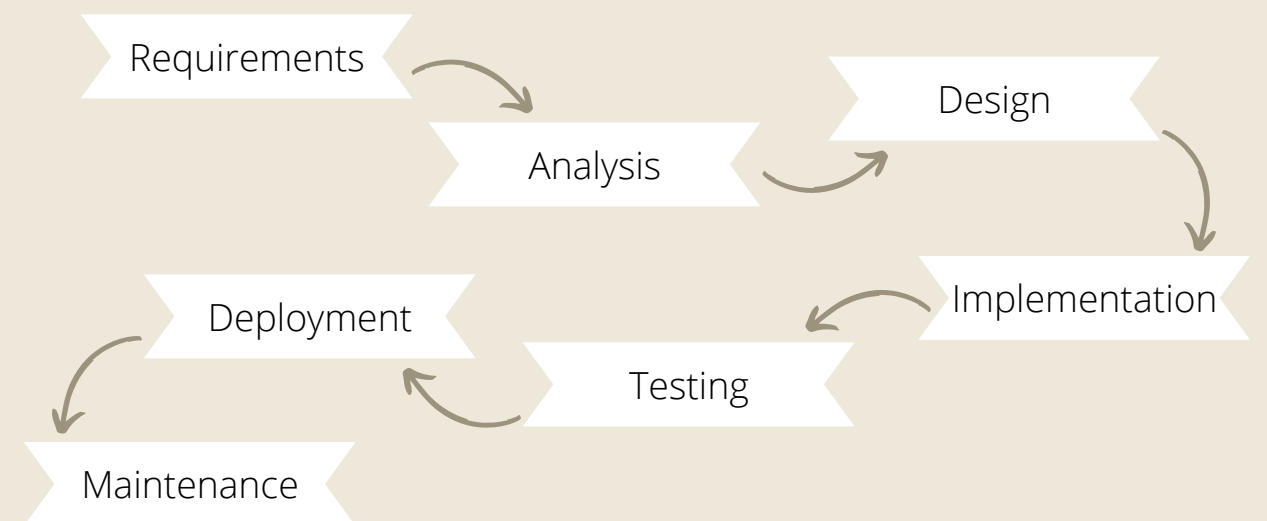
- Expanding the system's services to serve all branches of Umm Al-Qura University
- Create an application similar to this website
- Adding a special bus section for the disabled with the ability to track them and enhancing these buses with smart seats
- Add a section for private buses with subscription and different features

Conclusion

Finally this project providing an automated bus reservation system that, it covers the processes from the signup process through the reservation and until the attendance checkups. The system has been developed with care at each step. Major similar existing projects have been analyzed and compared. Then, based on the list of features collected a detailed business process management has been illustrated. For each business component, use cases, ERD diagrams, and conceptual diagrams have been created. This resulted in a detailed Data Dictionary diagram for the database backend design.

Methodology

Waterfall development had been used to develop this project



Uniway

YOUR UNIVERSITY WAY IN OUR OWN WAY

TOOLS



django

python



Chart.js



Google
Maps
API

Scan the QR code to share your feedback

