Final Year Project (Computer Science)

UMS UNIVERSITI MALAYSIA SABAH

FAKULTI KOMPUTERAN & INFORMATIK

UMS Car Rental Management and Recommendation using Content-Based Technique

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ABSTRACT

In Universiti Malaysia Sabah (UMS), there is no system that provide students to do car rental business. Several car rental systems in the market can be applied in the university for students and staff that can help them do the car rental business. However, the customers sometimes have trouble looking for the car that they desired. Nowadays, recommendations are a powerful tool that can help either customers or service providers in any business. Thus, this project aim to develop UMS Car Rental System that can recommend the cars to rent that is in line with the recent search of a particular user.

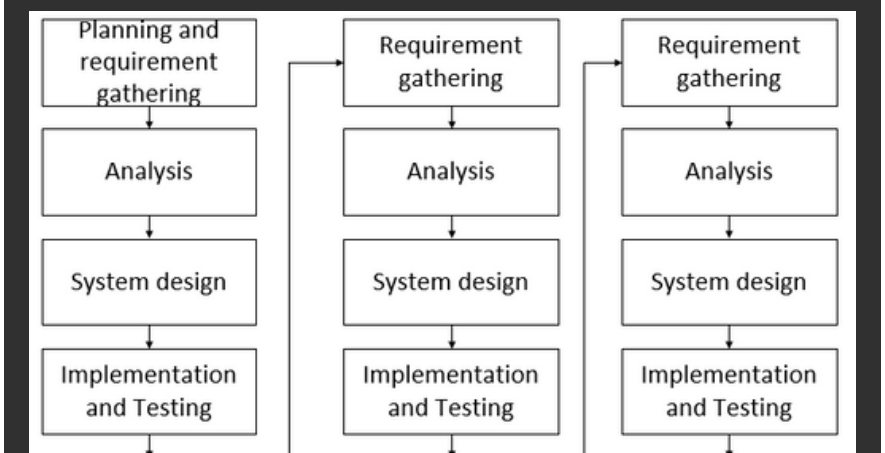
PROBLEM STATEMENTS

- Customers have difficulty to identify desired car
- Car owner have difficulty to promote their car
- What are the algorithms that can be used for recommendation?

OBJECTTIVES

- To investigate the Content-Based recommendation algorithmand evaluate the accuracy
- To analyse and identify the requirements for the Car Rental System with recommendation in UMS.
- To design and develop a Car Rental System with Content-Based recommendation technique

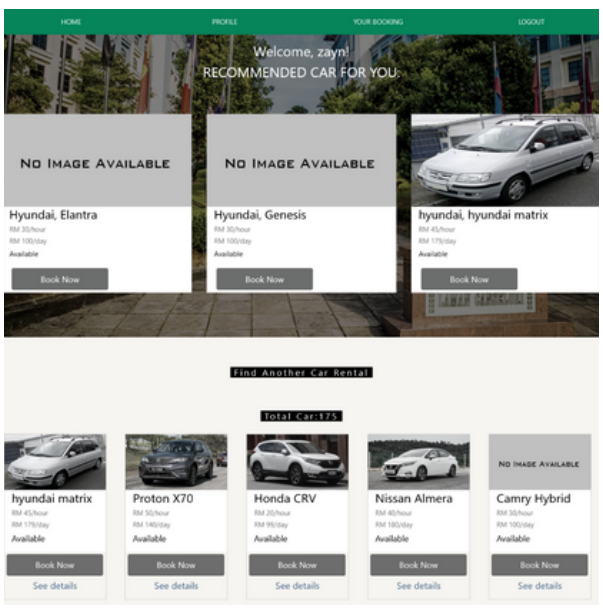
METHODOLOGY



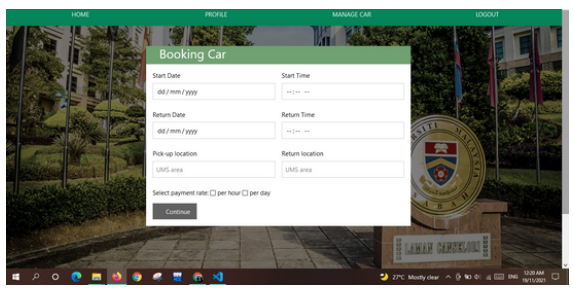
Methodology used:
Iterative Development

IMPLEMENTATION

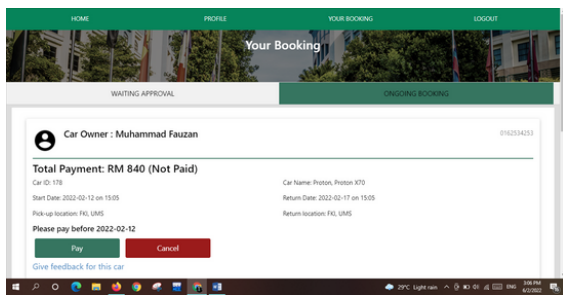
a) Customer Site



Customer Homepage with recommendation

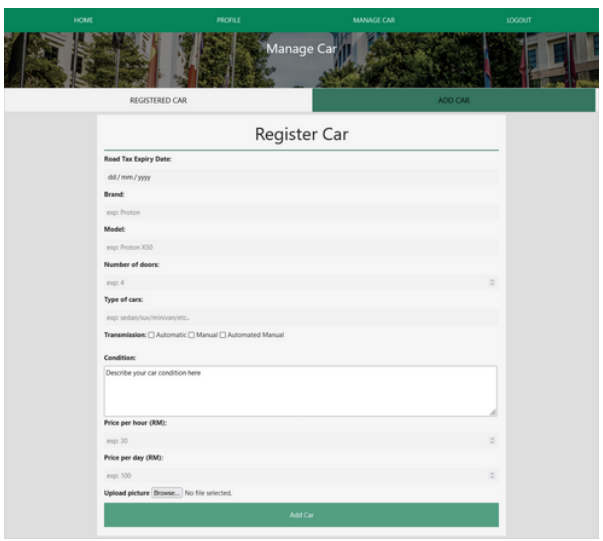


Booking Page

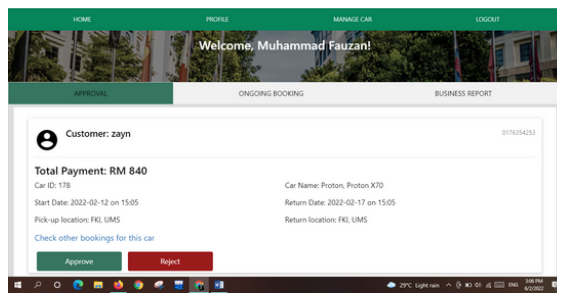


Check Booking Page

b) Client Site (Car owner)



Add car



Manage Booking

In the customer homepage, the recommendation is implemented with content-based technique. The system will show the top ranking of similar cars in the database according to the user's last booking.

CONCLUSION

In conclusions, the project aims to help student and staff in Universiti Malaysia Sabah (UMS) find the car that they want to rent easily according to their preference. The content-based technique is used for the recommendation. The algorithm can be further improved for the future works.