Final Year Project Proposal

ISLAM MOTORS

Supervisor
Sir Usman Aziz

Submitted By

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APPROVAL

I **Mr.Usman** is willing to guide these students in all phases of project titled "**Islam Motors**" as supervisor. I have carefully seen the title and description of the project and believe that it is of an appropriate difficulty level for the number of students named above.

_____ _____

Date Signature of Supervisor

Submission Date: _____

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1. Project Title

Islam Motors

1.1 Introduction

Welcome to Islam Motors, your ultimate destination for all things automotive. Our Android application provides a comprehensive platform for buying, selling, and renting cars, making the process seamless and hassle-free for users. Whether you're in the market for a new ride or looking to sell your current vehicle. Islam Motors has you covered with its intuitive interface and robust features.

1.2 Problems in Existing System

Previously in other platforms Some ads might not have good pictures or enough details about the car. It's hard for buyers to know the car's condition well. In our interface we provide videos to demonstrate vehicles.

Difficulty in Finding Relevant Listings: In our interface customer can easily find their desired vehicles (range, location & color etc) by applying our efficient filters to make buying decisions.

Feedback: In our interface customer will provide reviews about relevant services that will help other users to make decisions.

1.3ProposedSystem

Our proposed system aims to streamline the car purchasing, selling, and rental process by providing an intuitive and user-friendly interface. Users will be able to browse through an extensive collection of vehicles, list their own cars for sale, and rent vehicles for short or long-term use. With advanced search and filter options, personalized user profiles, and secure payment processing, Islam Motors offers a complete solution for all your automotive needs.

1.4 Main Modules

Vehicle Marketplace: Browse through an extensive collection of vehicles available for purchase or rental.

Seller Portal: Easily list your car for sale with detailed descriptions and images.

Rental Service: Rent a car for short-term or long-term use with flexible rental options.

User Profile: Manage your account details, view purchase history, and track rental reservations.

Search and Filter: Quickly find the perfect car using advanced search and filter options.

1.5 Expected Outcomes

Simplify the car buying, selling, and rental process for users.
Increase user engagement and satisfaction with a user-friendly interface.
Expand the reach of Islam Motors to a wider audience of car enthusiasts.
Establish Islam Motors as a trusted and reliable platform in the automotive industry.

1.6 Tools & Technologies

Development Platform: Android Studio
Programming Language: Java
Database: Firebase
User Interface: XML layout files

1.7 Activity Index

Table 1 Activity Index

No.	Activity	Duration	Deliverables
1.	1) Requirement gathering 1.1) Defining the scope of the project 1,2) Gathering all data related to the project from the most advanced university management system 1.3) listing all the functional and nonfunctional requirements for the scope of the project		1) Defining the requirements roles, collecting data, deciding deadlines and division of project according to the individual strengths in the field Role **Responsibilities division** 1) Partner1: 33.3% 2) Partner2: 33.3% 3) Partner3: 33.3%
2.	1) Starting Implementation 1.1) Defining roles and responsibilities of each actor in the project 1.2) Making ER diagram 1.3) Implementation of models based on the ER diagram		2) Defining the roles and make ER diagram for the admin, faculty and student in an iterative model which can be changed on future developments Start writing the report **Responsibilities division** 1) Partner1: 33.3% (Report) + 12.50% (Development) 2) Partner2: 33.3% (Report) + 12.50% (Development) 3) Partner3: 33.3% (Report) + 12.50% (Development)
3.	1)Implementing roles of the actors (students, Faculty and admin) 1.1) Implementing the decided roles 1.2) Revising the roles if required 2) Modifying models if required 2.1) Modifying models if we required any more fields or tables to support roles 2.2) Modifying data types		3) Implementing the roles of the actors and match them with our high level and low-level requirements in incremental way and go to revision 2 of models if we required any change 3.1) Update the report as well with our recent development **Responsibilities division** 1) Partner1: 33.3% (Report) + 12.50% (Development) 2) Partner2: 33.3% (Report) + 12.50% (Development) 3) Partner3: 33.3% (Report) + 12.50% (Development)

	of the models if required		
4.	1) Implementing the views for the controllers and models 1.1) Developing the GUI (User Interface and User interface) 1.2) Implementation of GUI in web application 2) Revision of roles if required by front end 3) Revision of models if required by front end		4) Developing a GUI on paper and transform it on the web application. Connect it with the roles and make all the things functional 4.1) Update the report as well with our recent development 4.2) Revise the model or control if required by iterative approach **Responsibilities division** 1) Partner1: 33.3% (Report) + 12.50% (Development) 2) Partner2: 33.3% (Report) + 12.50% (Development) 3) Partner3: 33.3% (Report) + 12.50% (Development)
5.	1) Revising the GUI and do the required changes 2) Complete the report 3) Finalize the web application and add revisions if necessary		5) Updating the GUI if required and finalizing the application by adding the revision to models and roles (If necessary) 5.1) Completing the report with all the S.E components 5.2) Match the application with the requirements provided above so that nothing is left behind **Responsibilities division** 1) Partner1: 33.3% (Report) + 10% (Development) 2) Partner2: 33.3% (Report) + 10% (Development) 3) Partner3: 33.3% (Report) + 10% (Development)
6.	1) Implementing the high-level requirements like security, authentication and robustness		6) Implementing components like role authentication security, data integrity and robustness 6.1) Doing Black box testing

	1.1) Mock Testing 1.2) Low level testing 1.3) High level testing		6.2) Doing in depth testing like white box, testing fields testing etc. 6.3) Doing mock testing with actual people involved **Responsibilities division** 1) Partner1: 33.3% (Testing) + 5% (Development) 2) Partner2: 33.3% (Testing) + 10% (Development) 3) Partner3: 33.3% (Testing) + 10% (Development)

1.8 References

[1] https://islammotors.blogspot.com/
[2] https://www.youtube.com/@IslamMotors
[3] ChatGpt