



KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

Course No: CSE 3100

Course Title: Web Programming Laboratory

Project Title

motoXchange

(A free online platform to buy, sell or exchange cars)

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Objectives

motoXchange is a platform on which a person can buy and sell or exchange new, used or reconditioned car.

The objectives of the project are:

1. To develop a website that deals with all users who are wishing to buy sell or exchange car.
2. To design and develop a website that helps a user to find their desire car that may be new, used or reconditioned.
3. The website that helps user to post ads to sell or exchange their cars.
4. To ensure security by providing every user has is unique username and user preferable password.
5. To create a signup form to provide customer detail information.
6. To provide car details to user with user friendly UI.
7. To provide opportunity of communicating with the user who has posted for car selling or exchanging.
8. To provide a list of posts posted by a user and facilitate to delete a post.
9. To ensure the opportunity of deleting posts by admin that are posted by users and showing some promotional ads by admin.
10. To complete the whole project using HTML, CSS, JAVASCRIPT for frontend and PHP for handling back-end along with MySQL for handling the database.

Introduction

motoXchange is a non-profitable website. This website is used like a platform of buying, selling or exchanging user's new, used or reconditioned cars. It is mentioned that this platform is completely free for users. Customers can select cars according to their wishes and communicate with the user who have posted them.

In this project I have used HTML, CSS as frontend, PHP as backend and to add some functionality, JavaScript and JQuery have been used. This project is database-oriented where I have used PHP MyAdmin, MySQL for this handling database.

As a portable web application written primarily in PHP, it has become one of the most popular MySQL administration tools, especially for web hosting services. The project includes SQL insert, select, delete operations. PHP has worked behind the picture. It has two different functionalities for admin and users. I have used Session to track the user name and save username and password for easy login at later using Cookies.

Implementation

When you go to the **motoXchange** website, you will encounter home page that contains promotional ads section, recently added cars section, about us section and a typical footer section containing necessary information. The page would like figure (1.1).

Now before visit other featuring portion of the website, user has to sign in at figure(1.2).

If there's no account then user has to sign up, the sign up page contains all necessary information of user. The sign up page would like as figure (1.3).

After successfully sign up and then signing in take the user to home page again and this time User can access all features of home page.

When the user wish to go to market, it takes him/her to the **Recently Added Car** section where he/she finds top 6 recently added cars and then to find more he/she has to press button **Explore More**.


This on click action makes him/her to encounter market page at figure (1.4).



Figure (1.1): Home page

[Sign in here](#)

You can sign in only when you have an **motoXchange** account



motoXchange
Drive your *Dream* ...


☐ Remember me?

Don't have an account? [Sign UP](#)

Figure (1.2): Sign In page

[Sign UP here](#)

Don't have a **motoXchange** account ? Just do it with a few seconds.



motoXchange
Drive your *Dream* ...

Already have an account? [Sign IN](#)

Figure (1.3): Sign Up page

User can click view to view the car at figure (1.5) where all information of the car is provided.

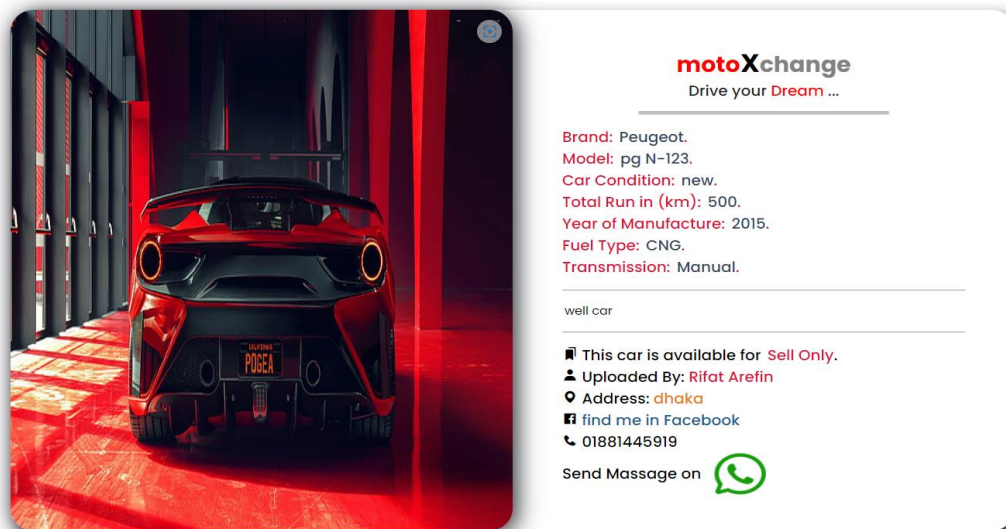


Figure (1.5) View Car

When user click on his/her username, it takes him to **user profile** page at figure (1.6). User can view or delete his/her post too.

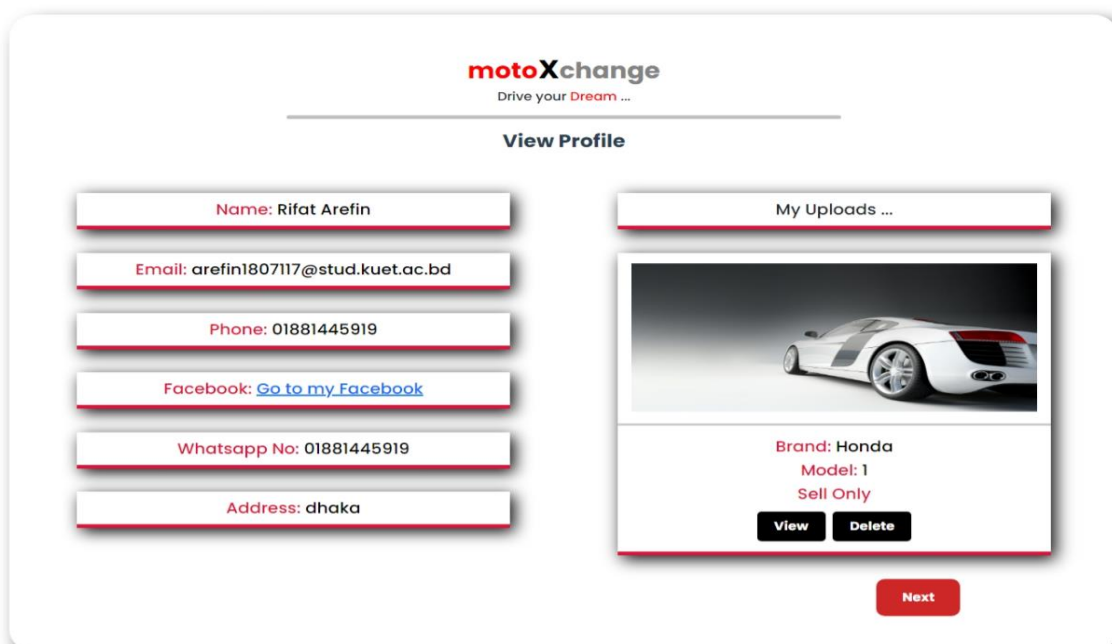


Figure (1.6) View Profile

Logging in as admin, encounters **Admin page** at figure (1.7).

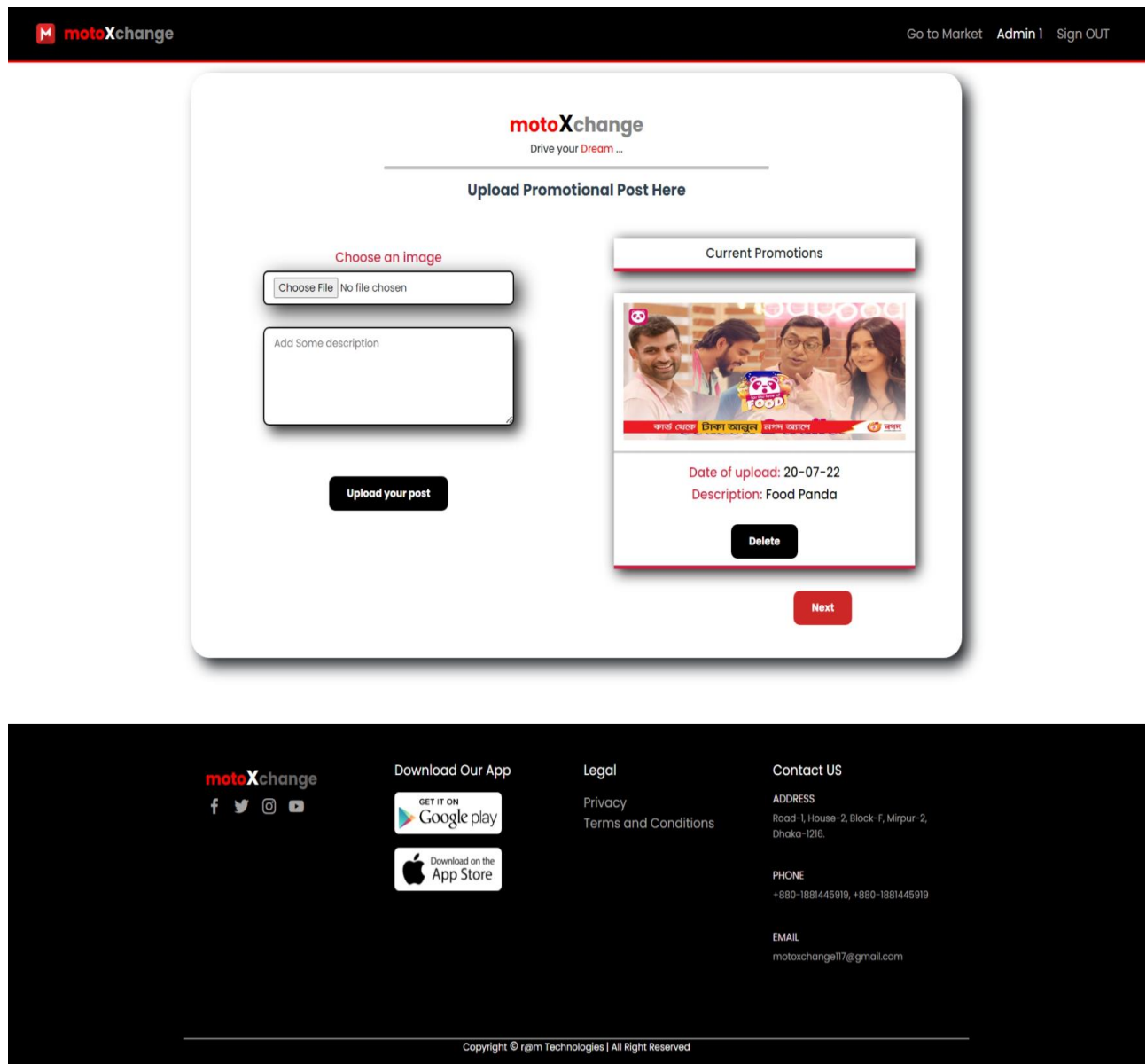


Figure (1.7) Admin page

Admin can view the market area and delete any post if any violation of terms and conditions found at figure (1.8).

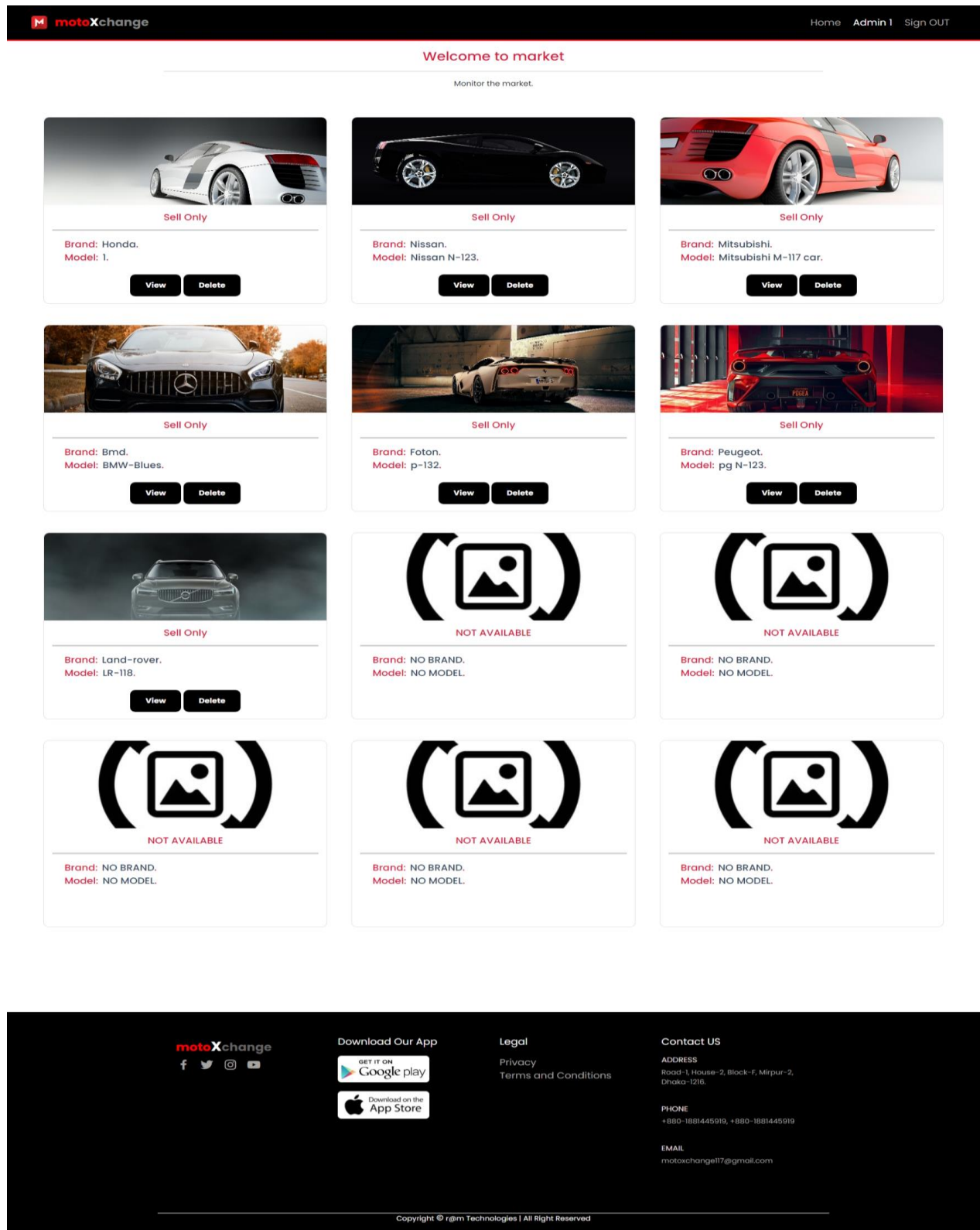


Figure (1.8) Market page for Admin

Flow chart of the website

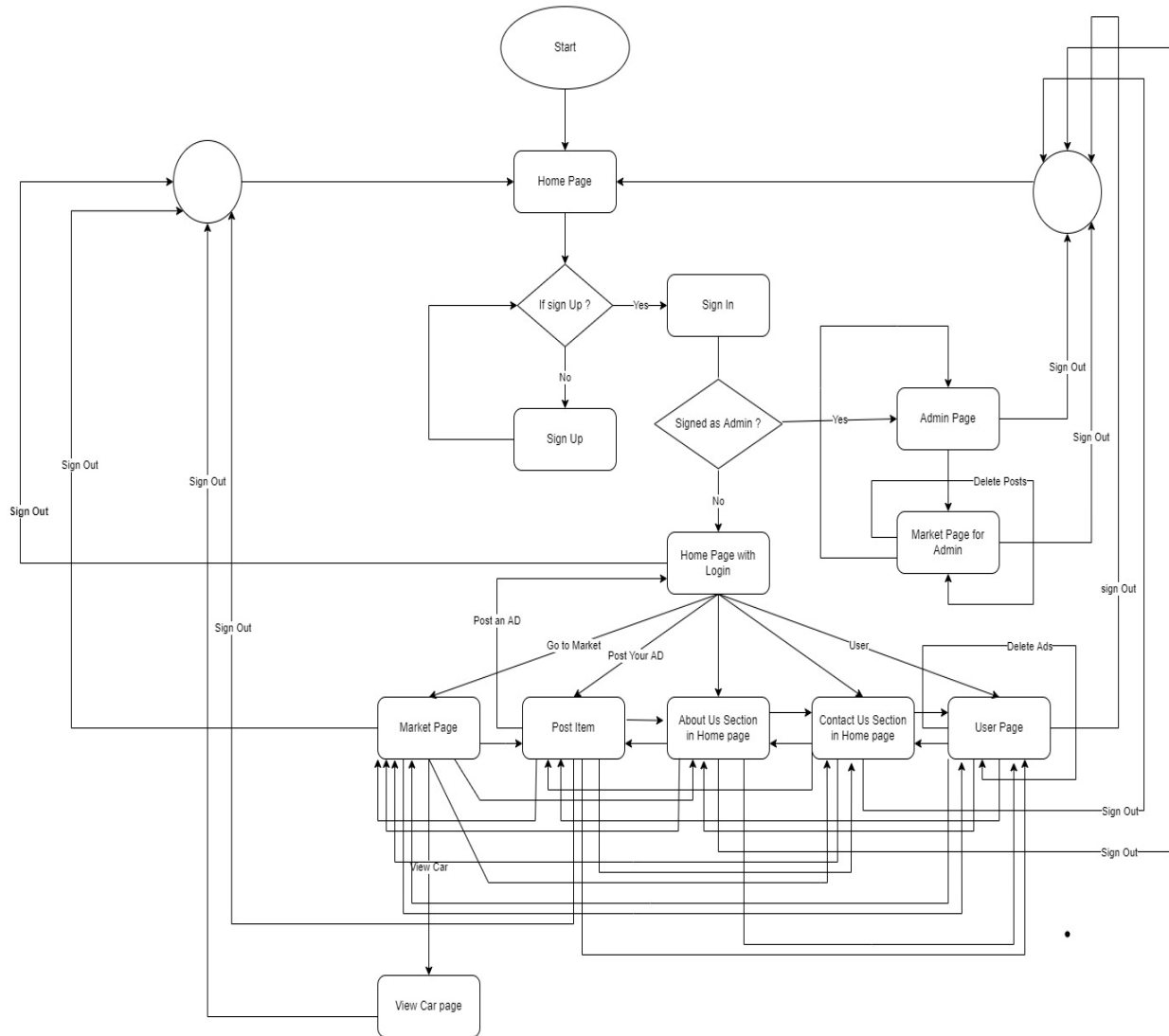


Figure (2.0): Flow Chart of motoXchange

Schema Diagram of the website

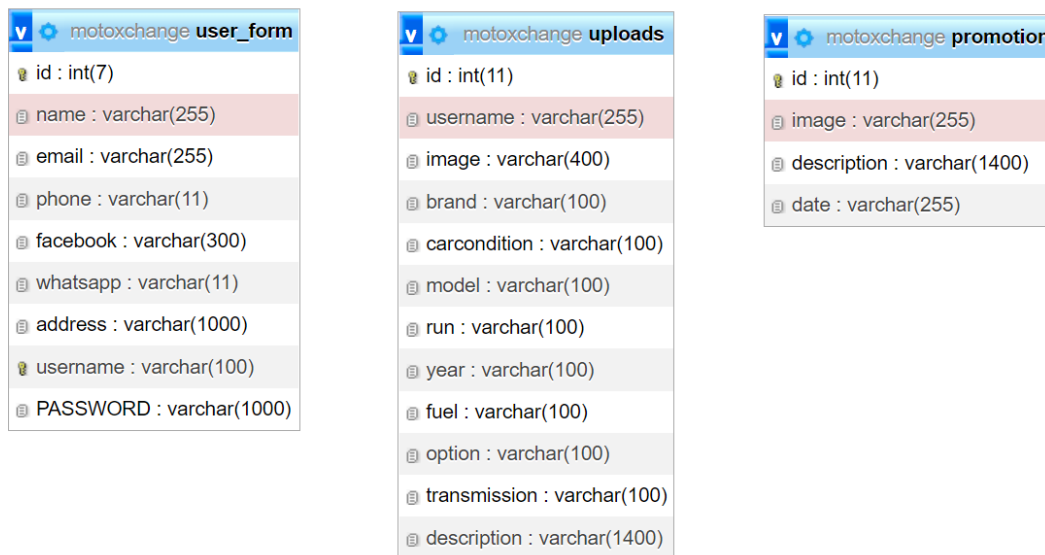


Figure (3.0): Schema diagram of motoXchange

Target vs Accomplishment

In my website, I tend to add features as much possible as I can. I have added almost all required features that can fulfill all requirements and objectives of the project. I made the website responsive that favor users to enjoy in different devices pleasantly.

I intended to add a chat system to communicate through this website but I could not add that feature due to time inefficiency. Although I have added a feature to communicate via WhatsApp using universal links that are the preferred method of linking to a WhatsApp account. I have added Facebook ID link and active phone number too. That will surely convenient to all users in doing communication.

Admin can monitor the car market at any time and can delete any post when admin found any violation of terms and conditions. Due to time inefficiency, I could not add admin approval before showing a post to car market. But admin can overcome it by monitoring car market and deleting unnecessary and unsuitable posts.

Risk and Issues:

Although user security has strongly maintained as my calibre, there may some inadvertent lacks of security in the website. A professional hacker may hack into the system and be aware of user's unique username and password.

There might be some minor bugs remain in the project inadvertently. That could be solved by testing and using this website consistently.

Discussion and Conclusion

At the time of designing and developing the project I have tried my possibly best to develop an uncompromising website. I have tried to add almost all the required features that can fulfill all the objectives. Due to time constraints, I could not add some features that would be more convenient for users and administrators.

This project has been completed using HTML, CSS, JS, Bootstrap, PHP, session, cookies, MySQL database. I have used HTML, CSS, Bootstrap and JavaScript for making an attractive, responsive and dynamic website and PHP for backend purpose and MYSQL for storing information in database. Eventually I can conclude that the website can meetup the requirement of users and they can use it conveniently.

References

1. <https://getbootstrap.com>
2. <https://www.w3schools.com>
3. <https://www.javapoint.com/php-tutorial>