

CAR RENTAL SYSTEM USING PHP AND MYSQL

M. Sumithra^{1a}, M.Tharun Vignesh^{2*}, N. Suriya^{3*}, C.S.Vinoth Rajiv^{4*}

^aAssociate Professor, Department of Information Technology, Panimalar Engineering College

^{*}Student, B.Tech Information Technology, Panimalar Engineering College

ABSTRACT

This paper gives a quick summary of web based car rental system , where you can rent a car from this website. Customer can rent what ever car they want for a short period of time . It is safe and secure website cause we use some verification process example: information of aadhar card number and driver licence to ensure the driver who is driving the car is above 18 age and has driver licence . this website include the feature like customer login ,password ,check availability od vehicle ,and direct chat with the admin, make payment through credit or debit card .for admin the features are admin login , adding cars ,deleting the cars ,accept or reject the request from the customer.

Keywords: TV

1. INTRODUCTION

Over the past few decades ,car rentals companies have been running their business using the traditional method of advertising this business by publishing advertisements in newspapers and broadcasting advertisement on TV channels and other approaches .In addition ,all clients records are stored in hard copy or soft copy depending on the methods the company use .The technology plays a vital role in changing the way of people do their business .All of them is searching for rental cars .Traditionally, if anyone wants to locate a car rent service ,they can call the rental service manager by phone(if any) and go to the store to search the vehicles rental applications has existed prior to the study .However, there is still a number of limitations from the existing online vehicle rental system. To this ,limitations such a type of vehicles and area of coverage have yet to solve and retrieving information and certainly not secured .If they use a slightly modern method ,company would use a computer to key in their customers information in excel format and store it in computer storage .

This set of less time consuming and slightly secured when compared to the traditional method ,but still requires the admin to manually key in all client information .This study are develop the vehicles to rent online which include cars ,motorcycles and vans and etc. to enhance the coverage of online vehicles rental services in Malaysia and finally is to improve the online system for increasing the brands and models over hales for cars and motorcycles and vans to rent online Malaysia .other companies are trying to revolutionize their business to adapt the mobile technology that been growing rapid in recent years .Therefore in the work the project aimed to propose a mobile car rental system prototype that is secured and allowed the cars to make reservation of the vehicle that desired. The mobile car rental system includes features as register and login page ,list of vehicles and database related to mobile car rental system.

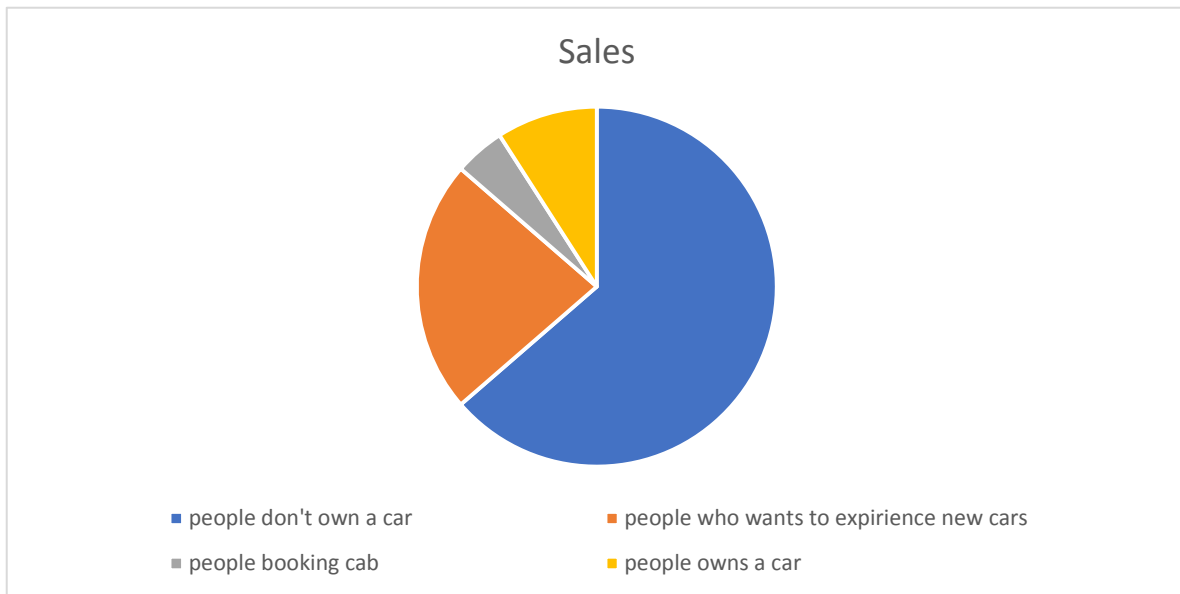


Figure 1: PI chart for sales of the car

In this fig 1 we can clearly see that the market for booking cab is going down where now a days people like to book a rental car rather than booking a car.

2. PROPOSED SYSTEM

The main motive of this car rental system is to make the cars available for every people. There is also imported cars for the customer who wants the driving experience of some cars. There is also chat box which is convenient for the customer to ask any queries to the admin. And ask the queries through the email.

3. SOFTWARE USED

3.1 PHP:

PHP is known as hyper text preprocessor language ,it is widely used because it is open source scripting language. The result of this scripting language is given in the browser. The main advantage of PHP is it is free to download. PHP can generate dynamic page contend ,collect data ,and can also encrypt data . the php language is widely used because it can run on any platforms like windows,linux,unix,mac os ,etc, and also compatible with most of the server used nowadays like Apache,IIS,etc

3.2 HTML:

HTML stand for hyper text markup language ,it is used to create a web page .it contains elements and tags with tells how to display the contend in the webpage eg the background colour ,font size ,heading etc.The elements of the HTML is known as building blocks of HTML .IT can embed programs written in a scripting language such as PHP ,java etc. HTML was developed by physicist Tim Berners-LEE in 1980 but he wrote the browser and server software in late 1990

3.3 MySQL:

MySQL is a database used in the web and runs on the server ,it is used to store the data which we get from the website or etc .the data in mysql is stored in table forms where table is the collection of datas in the combination of rows and columns .The advantage of using mysql is it is ideal for both small application and for large application, it is very fast and reliable, compiles on many no of platforms ,it is free to download and easy to use .It uses standard SQL. So we use the combination of these three software to give a fine website for the customer

4. SYSTEM DIAGRAM

4.1 USECASE DIAGRAM

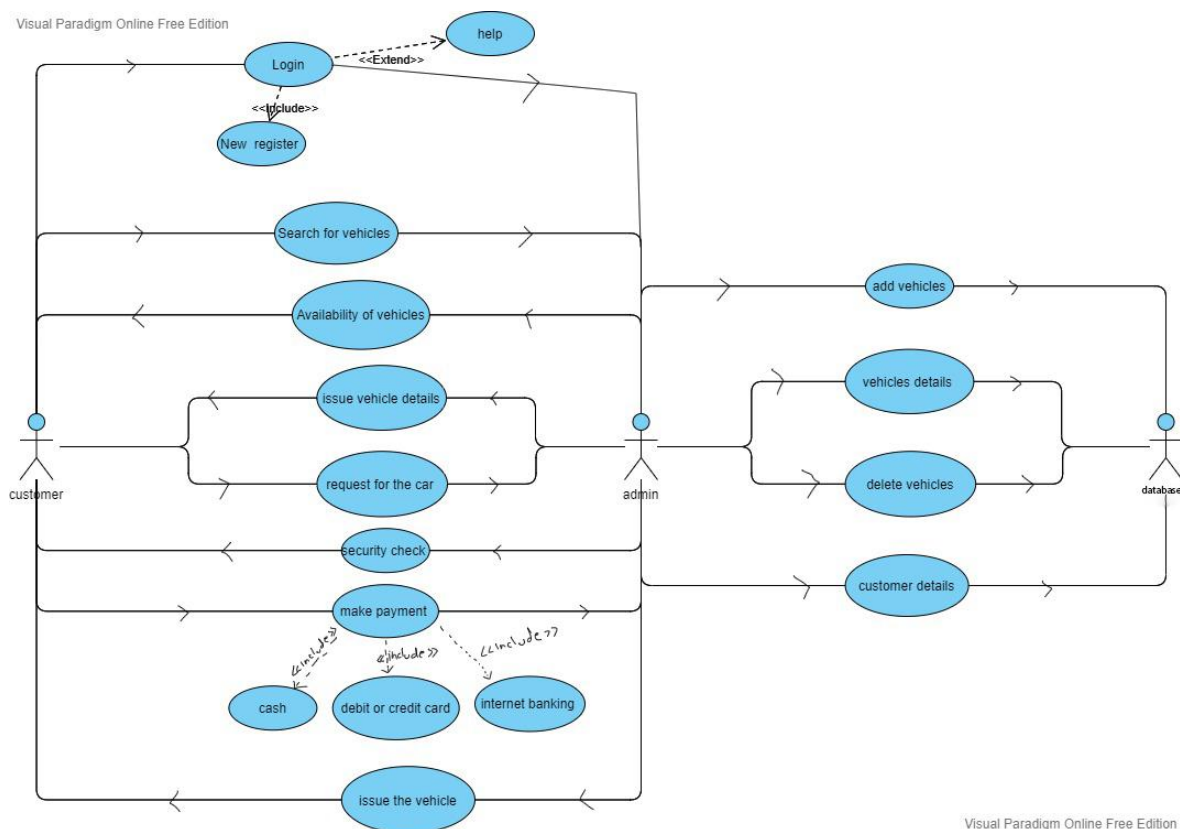


Figure 2: Use case Diagram

With the use of this diagram we can understand the skeleton of how the web site is running and how the website react to the action of the customer and the admin , and how the database works . The information of the vehicle and the customer are stored in the website hence for the future use and admin can edit the database .

4.2 SECURITY PURPOSE

For the security purpose the aadhar card and the driving licence of the customer is verified and the vehicle is inspected by the agent before and after the vehicle is given for any damage in the vehicle

5. CONCLUSION

As the conclusion this car rental system will allow you to rent a car for your personal needs and where you can drive without any driver ,and it would be the next gen of the rental cars through the website ,it provides the platform for the people to rent a car for an hour to a week ,with the use of the three software HTML, PHP, MySQL we could give a fine website .

REFERENCES

- [1] Sapuan, M. K. M. (2012). Rental Car Online System (Doctoral dissertation, UMP).
- [2] M. Sumithra and Dr. S. Malathi, "A Novel Distributed Matching Global and Local Fuzzy Clustering (DMGLFC) FOR 3D Brain Image Segmentation for Tumor Detection", IETE Journal of Research, doi.org/10.1080/03772063.2022.2027284, 2021

- [3] Kesrarat, D., Songcharoenkit, S., Nanthapornpisut, P., & Thawonthammarat, L. (2017, February). Smart Matching for Car Rental. In Proceedings of the 9th International Conference on Machine Learning and Computing (pp. 529-533). ACM.
- [4] B.Buvanswari and T.Kalpalatha Reddy, "A Review of EEG Based Human Facial Expression Recognition Systems in Cognitive Sciences" International Conference on Energy, Communication, Data analytics and Soft Computing (ICECDS), CFP17M55-PRJ:978-1-5386-1886-8, August 2017.
- [5] Manalu, S. R., Wibisurya, A., Chandra, N., & Oedijanto, A. P. (2016, November). Development and evaluation of mobile application for room rental information with chat and push notification. In 2016 International Conference on Information Management and Technology (ICIMTech) (pp. 7-11). IEEE.
- [6] Chethana, C., Subbiah Swaminathan, S. Sharanyaa, E. Sathish, R. Prathipa, and Anuradha Thakare. "Application of Reverse Engineering in the Process of Utilization of Human Brain in Artificial Intelligence." Journal of Optoelectronics Laser 41, no. 3 (2022): 89-93.
- [7] Li, Z. (2013). Design and realization of car rental management system based on AJAX+ SSH. Information Technology Journal, 12(14), 2756-2761.
- [8] M. Sumithra and Dr. S. Malathi, "Modified Global Flower Pollination Algorithm-based image fusion for medical diagnosis using computed tomography and magnetic resonance imaging", International Journal of Imaging Systems and Technology, Vol. 31, Issue No.1, pp. 223-235, 2021
- [9] Prince, T., Jenifer, M., Axumawit, H., Betelhem, H., Firkremariam, G., Hana, S., Saba, W. (2016). Design of Car Rental Management System for Organization, Customers and Car Owners. International Journal of Engineering Trends and Technology, 34(7), 319-321.
- [10] K. Sridharan, and Dr. M. Chitra "SBPE: A paradigm Approach for proficient Information Retrieval, Jokull Journal", Vol 63, No. 7; Jul 2013
- [11] Sharanyaa, S., P. N. Renjith, and K. Ramesh. "Classification of Parkinson's disease using speech attributes with parametric and nonparametric machine learning techniques." 2020 3rd International Conference on Intelligent Sustainable Systems (ICISS). IEEE, 2020.
- [12] Khaled, Mr Shah Mostafa, Shamsil Arefin, Datta Sree Rajib Kumar, and Ariful Hossain Tuhin. "Software Requirements Specification for Online Car Rental System." (2015).
- [13] M. Sumithra and Dr. S. Malathi, "3D DenseNet Model with Back Propagation for Brain Tumor Segmentation", International Journal of Current Research and Review, Vol. 13, Issue 12, 2021.
- [14] B.Buvaneswari and Dr. T. Kalpalatha Reddy, "EEG signal classification using soft computing techniques for brain disease diagnosis", Journal of International Pharmaceutical Research, ISSN : 1674-0440, Vol.46, No.1, Pp.525-528, 2019.
- [15] Harwani, Bintu. "Installing XAMPP and Joomla." In Foundations of Joomla, pp. 9-51. Apress, Berkeley, CA, 2015. Friends, Apache. "XAMPP Apache+ MariaDB+ PHP+ Perl." Apache Friends (2017).
- [16] Sharanyaa, S., P. N. Renjith, and K. Ramesh. "An Exploration on Feature Extraction and Classification Techniques for Dysphonic Speech Disorder in Parkinson's Disease." In Inventive Communication and Computational Technologies, pp. 33-48. Springer, Singapore, 2022.
- [17] Soares, Hécio A., and Raimundo S. Moura. "A methodology to guide writing Software Requirements Specification document." In 2015 Latin American Computing Conference (CLEI), pp. 1-11. IEEE, 2015.
- [18] K. Sridharan, and Dr. M. Chitra "Web Based Agent And Assertion Passive Grading For Information Retrieval", ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 16, September 2015 pp:7043-7048
- [19] Carroll, William J., and Richard C. Grimes. "Evolutionary change in product management: Experiences in the car rental industry." Interfaces 25, no. 5 (1995): 84-104.

- [20] M. Sumithra and Dr. S. Malathi, "Segmentation Of Different Modalities Using Fuzzy K-Means And Wavelet ROI", International Journal Of Scientific & Technology Research, Vol. 8, Issue 11, pp. 996-1002, November 2019.
- [21] Beck, Kent, Mike Beedle, Arie Van Bennekum, Alistair Cockburn, Ward Cunningham, Martin Fowler, James Grenning et al. "Manifesto for agile software development." (2001): 2006.
- [22] Sharanyaa, S., S. Lavanya, M. R. Chandhini, R. Bharathi, and K. Madhulekha. "Hybrid Machine Learning Techniques for Heart Disease Prediction." International Journal of Advanced Engineering Research and Science 7, no. 3 (2020).
- [23] M. Sumithra and S. Malathi, "A Survey of Brain Tumor Segmentation Methods with Different Image Modalities", International Journal of Computer Science Trends and Technology (IJCTST) – Vol. 5 Issue 2, Mar – Apr 2017
- [24] Abrahamsson, Pekka, Outi Salo, Jussi Ronkainen, and Juhani Warsta. "Agile software development methods: Review and analysis." arXiv preprint arXiv:1709.08439 (2017).
- [25] B.Buvaneswari and Dr.T. Kalpalatha Reddy, "High Performance Hybrid Cognitive Framework for Bio-Facial Signal Fusion Processing for the Disease Diagnosis", Measurement,ISSN: 0263-2241, Vol. 140, Pp.89-99,2019.
- [26] Harwani, Bintu. "Installing XAMPP and Joomla." In Foundations of Joomla, pp. 9-51. Apress, Berkeley, CA, 2015.
- [27] Sharanyaa, S., and M. Shubin Aldo. "Explore places you travel using Android." In 2016 International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT), pp. 4796-4799. IEEE, 2016.
- [28] M. Sumithra and Dr. S. Malathi, "A Brief Survey on Multi Modalities Fusion", Lecture Notes on Data Engineering and Communications Technologies, Springer, 35, pp. 1031-1041,2020.
- [29] Friends, Apache. "XAMPP Apache+ MariaDB+ PHP+ Perl." Apache Friends (2017).
- [30] Sharanyaa, S., and Madhumitha RP. "Eyeball Cursor Movement Detection Using Deep Learning." RP, Madhumitha and Rani. B, Yamuna, Eyeball Cursor Movement Detection Using Deep Learning (July 12, 2021) (2021).
- [31] Soares, Hécio A., and Raimundo S. Moura. "A methodology to guide writing Software Requirements Specification document." In 2015 Latin American Computing Conference (CLEI), pp. 1-11. IEEE, 2015.
- [32] M. Sumithra and S. Malathi, "A survey on Medical Image Segmentation Methods with Different Modalities", International Journal of Engineering Research and Technology (IJERT) – Vol. 6 Issue 2, Mar 2018.
- [33] Carroll, William J., and Richard C. Grimes. "Evolutionary change in product management: Experiences in the car rental industry." Interfaces 25, no. 5 (1995): 84-104.
- [34] B.Buvaneswari and Dr.T. KalpalathaReddy,"ELSA- A Novel Technique to Predict Parkinson's Disease in Bio-Facial",International Journal of Advanced Trends in Computer Science and Engineering, ISSN 2278-3091,Vol.8,No.1,Pp. 12-17,2019
- [35] Beck, Kent, Mike Beedle, Arie Van Bennekum, Alistair Cockburn, Ward Cunningham, Martin Fowler, James Grenning et al. "Manifesto for agile software development." (2001): 2006.
- [36] K. Sridharan , and Dr. M. Chitra , Proficient Information Retrieval Using Trust Based Search On Expert And Knowledge Users Query Formulation System, Australian Journal of Basic and Applied Sciences, 9(23) July 2015, Pages: 755-765.
- [37] Abrahamsson, Pekka, Outi Salo, Jussi Ronkainen, and Juhani Warsta. "Agile software development methods: Review and analysis." arXiv preprint arXiv:1709.08439 (2017)
- [38] Sharanyaa, S., and K. Sangeetha. "Blocking adult account in osn's using iterative social based classifier algorithm." International Journal of Scientific Engineering and Science 2, no. 1 (2018): 33-36.
- [39] B.Buvaneswari and Dr.T. Kalpalatha Reddy, "ACPT- An Intelligent Methodology for Disease Diagnosis",Journal of Advanced Research in Dynamical and Control Systems,ISSN : 0974-5572,Vol.11,No.4,Pp.2187-2194,2019.

[40] Sumithra, M., Shruthi, S., Ram, S., Swathi, S., Deepika, T., "MRI image classification of brain tumor using deep neural network and deployment using web framework", *Advances in Parallel Computing*, 2021, 38, pp. 614–617.

[41] K. Sridharan , and Dr. M. Chitra "RSSE: A Paradigm for Proficient Information Retrieval using Semantic Web" , *Life Science Journal* 2013;10(7s), pp: 418-425

[42] Sharanyaa, S., S. Vijayalakshmi, M. Therasa, U. Kumaran, and R. Deepika. "DCNET: A Novel Implementation of Gastric Cancer Detection System through Deep Learning Convolution Networks." In *2022 International Conference on Advanced Computing Technologies and Applications (ICACTA)*, pp. 1-5. IEEE, 2022.