NMAM INSTITUTE OF TECHNOLOGY

(A unit of Nitte Education Trust)

Nitte - 574 110, Karkala taluk, Udupi Dist., Karnataka

Department of Computer Science and Engineering

RDBMS PROJECT REPORT ON

'WILDASSETS'

REAL ESTATE DATABASE MANAGEMENT SYSTEM

PROJECT ASSOCIATES

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PROJECT GUIDE

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ABSTRACT

"REAL ESTATE DATABASE MANAGEMENT SYSTEM" is a web application designed for the customers who are in search of completely converted and legal plots for sale. The aim of the system is to reach out to the users who are in search of sites in Karnataka. The system protects the confidentiality of data and prevents breaching. This system provides online service for buying sites, its registration and assists with loans and transactions. The system can be accessed by signing in as the admin or customers. The administrators can be contacted for posting the sites or for enquiry or for assistance. The complete details of the system and administrators are provided in the home page. The motto of the system is to sell the sites to the customers with ease and security.

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CERTIFICATE

Certified that the project work carried out by Swathi Mithanthaya (4NM18CS200), Sushmitha M Achar (4NM18CS198) and Swasthika (4NM18CS199) bonafide students of NMAM Institute of Technology, Nitte in fulfilment for the Relational database Management System lab in Computer Science and Engineering during the academic year 2019-2020.

Signature of the Examiner:

Signature of the Guide:

ACKNOWLEDGEMENT

It gives us immense pride and contentment on successful completion of the project. The success is incomplete without thanking the few people who are the foundation to our project.

Hence we take this opportunity to thank our project guide, Mr. Pradeep Kanchan, Dept. of CSE for his continuous support and guidance.

Our sincere thanks to Dr. K. R. Udaya Kumar Reddy, HOD-Dept. of Computer Science and Engineering, NMAMIT, Nitte for his generous guidance, help and useful suggestions. We also acknowledge and express our sincere thanks to our beloved Dr. Niranjan. N. Chiplunkar, Principal, NMAMIT, Nitte who is a source of inspiration to us.

We thank all the Teaching and Non-Teaching staff members of the department of CSE for providing resources for the completion of the project. A special thanks goes to our parents and friends for supporting and encouraging us in all ways thus making our project successful. Finally, we thank all those who have contributed directly or indirectly in making this project a grand success.

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(4NM18CS200)	(4NM18CS198)	(4NM18CS199)

CHAPTER 1

INTRODUCTION

It is an era of computer and information technology. In this era, convenient service is the only way to flourish one's business. Real estate is the business of buying, selling, and renting land, buildings, and offices. Every infrastructure requires the most beneficial and convenient site within budget. Usually, business focuses on the profits and the benefits, however 'Wildassets' focuses mainly on customer service and customer satisfaction. Wildassets is open to all kinds of users from individuals, agents, to real-estate tycoons. Benefits of this real estate management system are countless. It is quick, easy to access at any time and place with minimal paperwork. To be succinct, it ensures the 24X7 customer service. Clients can view and book their dream site online in just a few clicks. Transactions can be done without much hassle, quickly and securely. Security is the priority for the system and for every customer, transaction and registration details are protected.

Features Of Wildassets

Admin Profile: This is assigned to a superuser having full access to the system. Admin module contains Admin Id, name, address, contact no. Admin can view the site details, update and delete the site, customer, transaction or registration details. Admins can check the payment status, view, and manage the client details. Any issue in client's details or in property details are reported to the admin.

Client Profile: This is for the people who want to buy, sell, or rent the site for their use. Client profile consists of client id, name, address, contact details, etc. Clients can view, register, apply for loans, cancel the already registered site and even pay online.

Property Details: Property details hold the data about the property in property location, total value, owner, area and other important details along with a photo of the plot. The property gives an idea about the property which helps the clients to choose the property.

Registration: This module helps the client to book the property. This module collects the information and verifies the information at the backend to ensure that site is sold to the verified customer only.

Payment Details: After filling the booking details clients need to pay the money using cash/DD/Credit card/Debit card/Cheque/UPI/Paypal. Payment portal would use a payment gateway to clear payment. Once payment clears the receipt of payment will be generated automatically.

USER INTERFACE(UI): The user interface is a very important aspect of the system. A creative, user-friendly and interactive interface attracts a user to use the system and spread a word about the application only on satisfaction.

SignUp Page: As soon as a new user sign's up it leads to the login page and the data will be added to the database.

Login Page: Admin or client need to log in using login id and password. It validates the data from the database and lets the user in or out of the page.

Property Page: Every property detail would be available to this page. Details including the plot picture, name, address/location, price etc.

Payment Page: This interface helps in paying the money via several modes like cash, paypal etc.

CHAPTER 2

PROBLEM STATEMENT

Working of the system:

The real estate database management system should allow only the registered and verified users to access the system for the reasons of security and protection. Therefore, the customers who have signed up can only access the system by logging into the system. Admins have distinct and separate credentials to access the customer details. Every property has a link which directs to the registration page. There are buttons/menus provided for loans application, transactions which direct to UPI/paypal, cancellations of registered properties, testimonials and updating of customer details.

Possible problems in the system:

One of the main concerns is security of data. This is a major issue in the current world as hacking and collecting of user's or the system may lead to misuse of data and fake profiles. Another possible problem is the smooth working of the database. The server should insert, update and store every data entered into the system along with the user details of the entered data. The malfunctioning of the server may lead to severe data loss, money loss if transaction is not working from the server end and finally customer dissatisfaction. Hence the business might lose its valuable customers and the profits.

Proposal of solutions:

Practical solution for security problems is that every user will have to create credentials to enter into the software. Credentials will be validated by the system and it makes sure that the credentials are distinct and unique by verifying it in the database. The server malfunctioning can be solved by regular maintenance of the server and

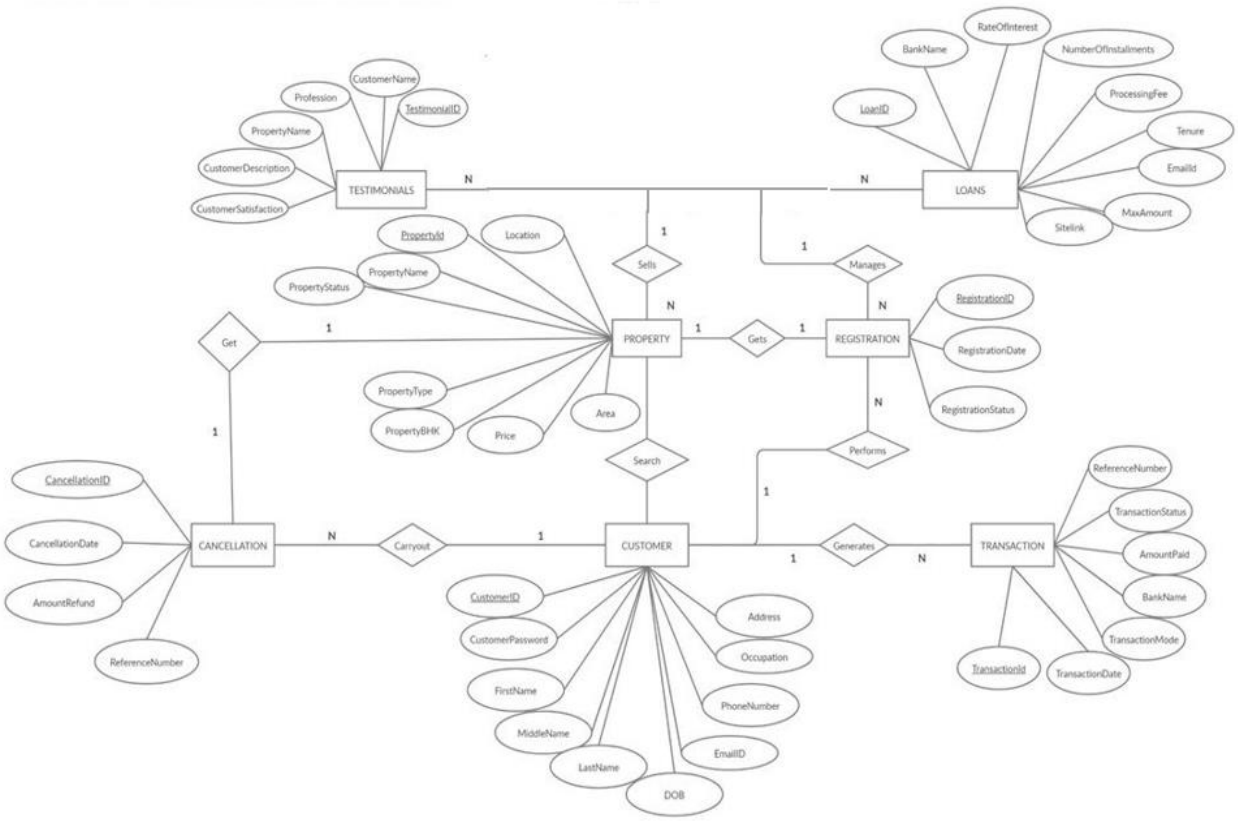
database by the database administrators (DBA). The server downtime should be notified to the registered users so that they don't deal with the system during that time.

Benefits of the proposed solution:

The solutions proposed above will lead to an almost ideal system with high reliability, complete security and the system will be under DBA's control for updating and maintenance of the software.

CHAPTER 3

ER-Diagram



SCHEMA

Cancellation

cancellationid	cancellationdate	amountrefunded	propertyid	custid

Customers

custid	fname	lname	dob	phoneno	email	custpwd

Loan

loanid	bankname	roi	processing fee	custid	propertyid

Property

locations	propertyname	propertystatus	price	placetype	area	propertyid

Registration

registrationid	Registrationdate	Registrationstatus	propertyid	custid

Testimonial

custid	profession	propertyid	custsatisfaction

Transaction

transaction_id	refno	transaction_status	transaction mode	custid	loanid

CHAPTER 4

FRONTEND TECHNOLOGY

The view of the web application has been constructed using HTML (Hyper Text Markup Language), CSS (Cascading Style Sheets) and JAVASCRIPT. These are required for the responsive web design of all the modern web development. These are client-side development which is aesthetically appealing to the clients and it creates views which are required for the users only. It does not show any coding, files or database to the customers. It is used for interaction and for data input purposes only.

HTML is the first layer of any website and creates the code version of a wireframe on a webpage. These wireframes exist for the styles in CSS and all the bells and whistles in JavaScript. It doesn't make decisions or capture information on its own. It simply renders the scaffolding of the web pages. Style sheets dictate the presentation of HTML elements on a page.

JavaScript is a runtime language for web browsers. This means that when you open a web page, the page will load both the foundational JavaScript that is standard with the page and any new JavaScript added to a page. The new JavaScript will load in parallel with it and can perform actions and make decisions.

Front end was coded and created using a framework called Visual Studio Code as it enables error detection and debugging. It has built-in libraries and functions which are readily available.

CHAPTER 5

BACKEND TECHNOLOGY

As a backend technology, a programming language called PHP (Personal Home Page) is used to connect the database. The database was created using MySQL to store, insert, update and delete the data from the database.

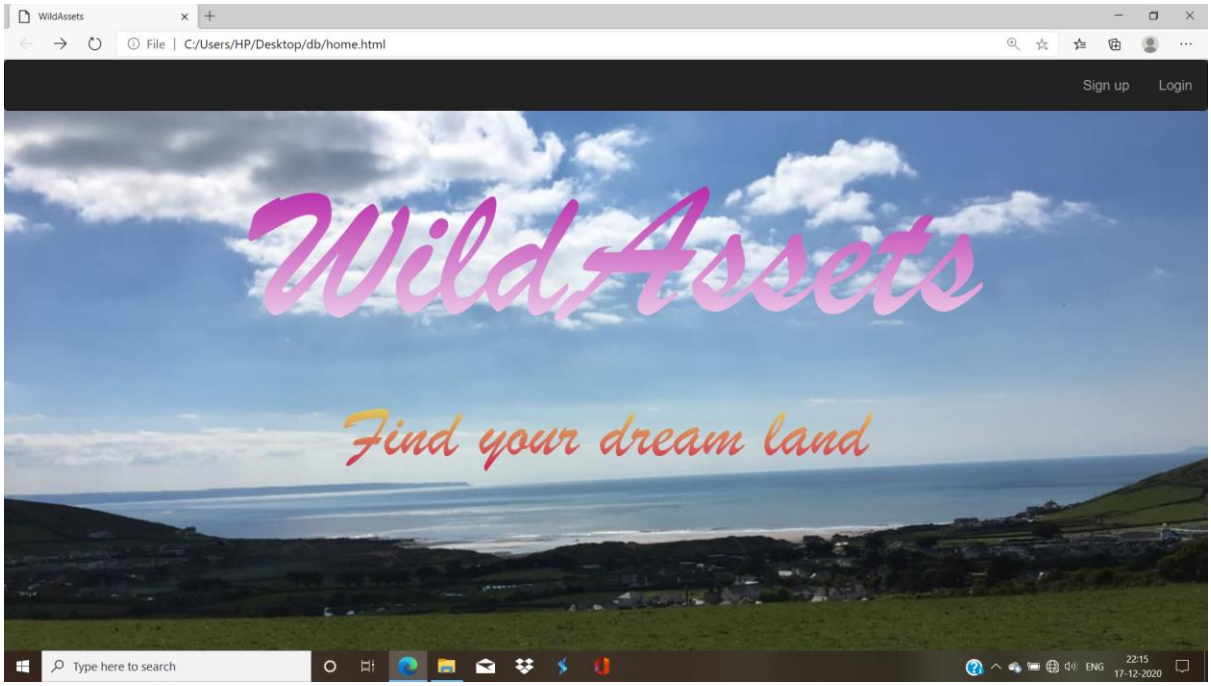
The framework used for the backend coding is Visual Studio code as it provides PHP extensions and libraries. It enables error detection and debugging is easier and faster. The PHP was connected to the database using servers provided by Apache. The server was built using the server and database provider for PHP called Xampp.

PHP, MySQL, Apache work in synchronisation to enable smooth functioning of the backend.

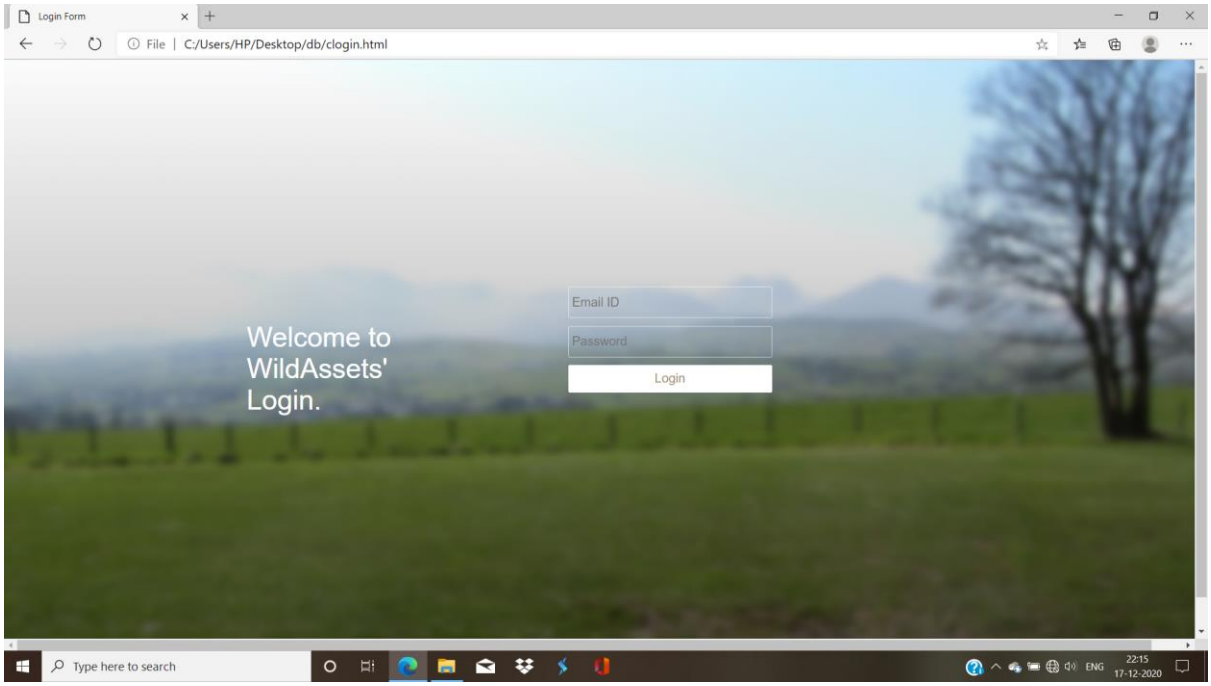
Chapter 6

SCREENSHOTS

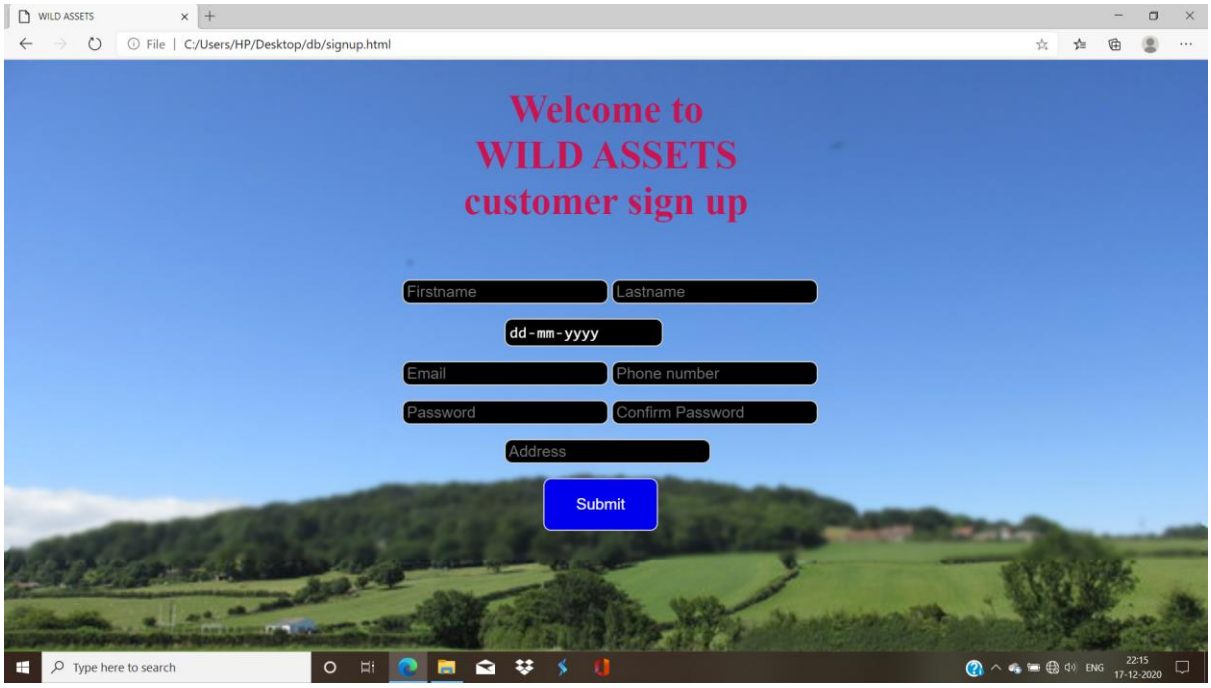
HOME PAGE



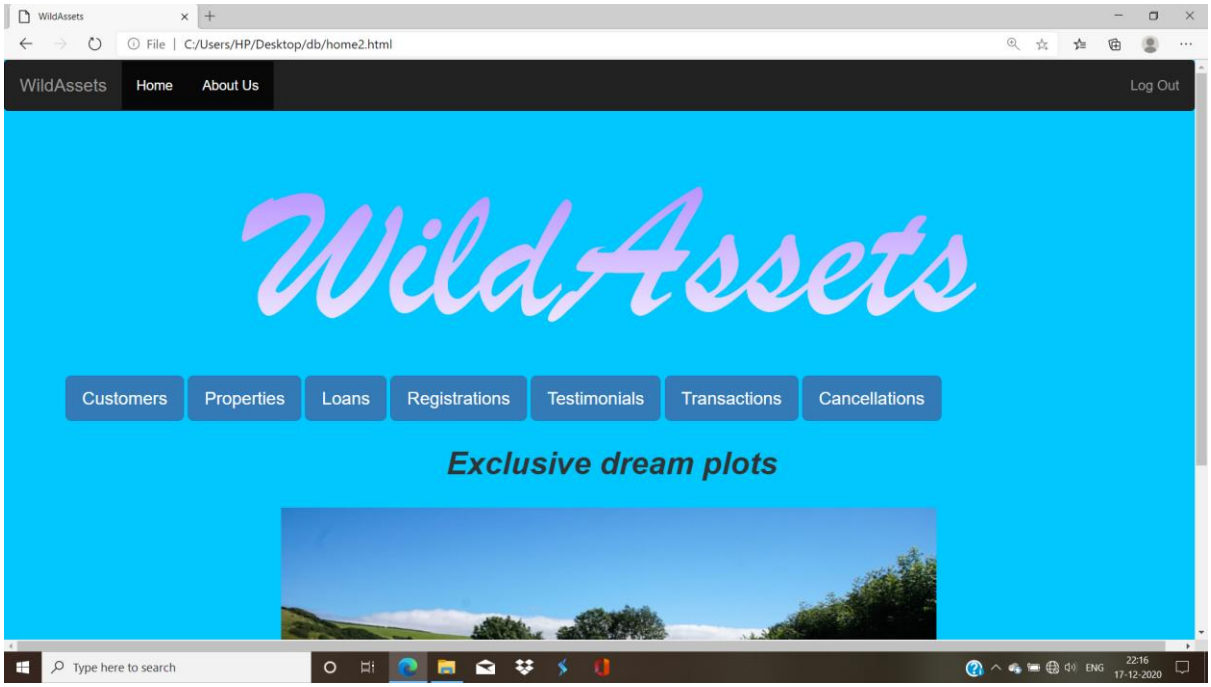
LOGIN PAGE



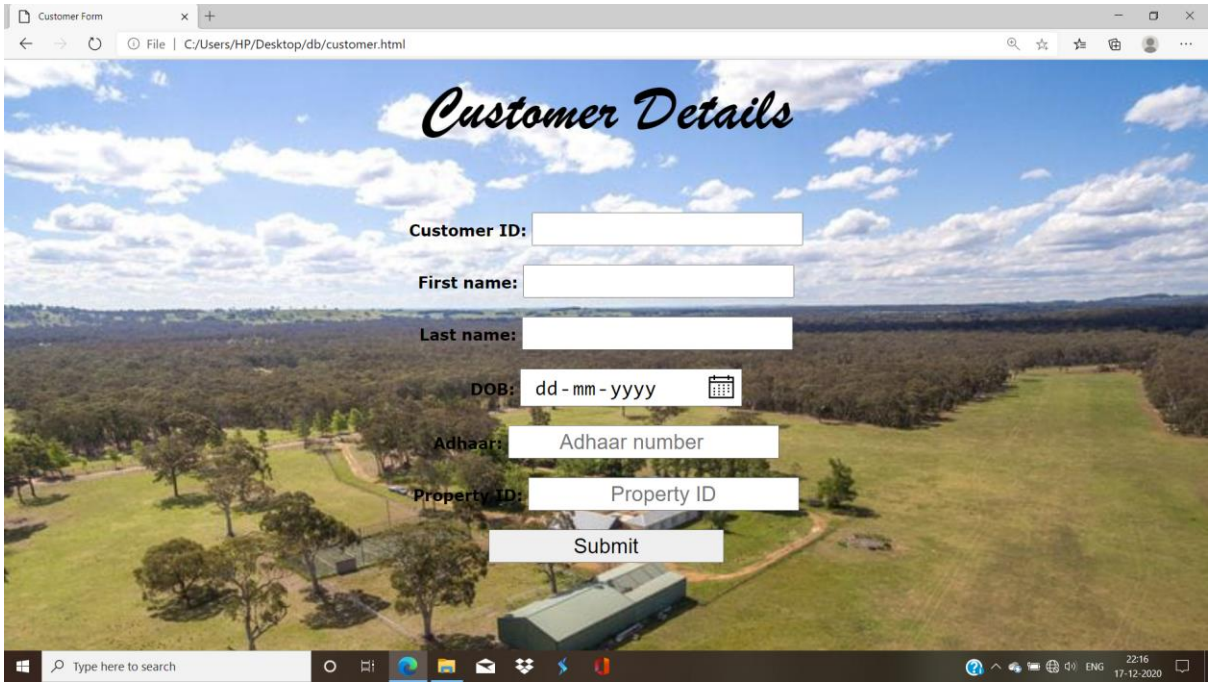
SIGN UP PAGE



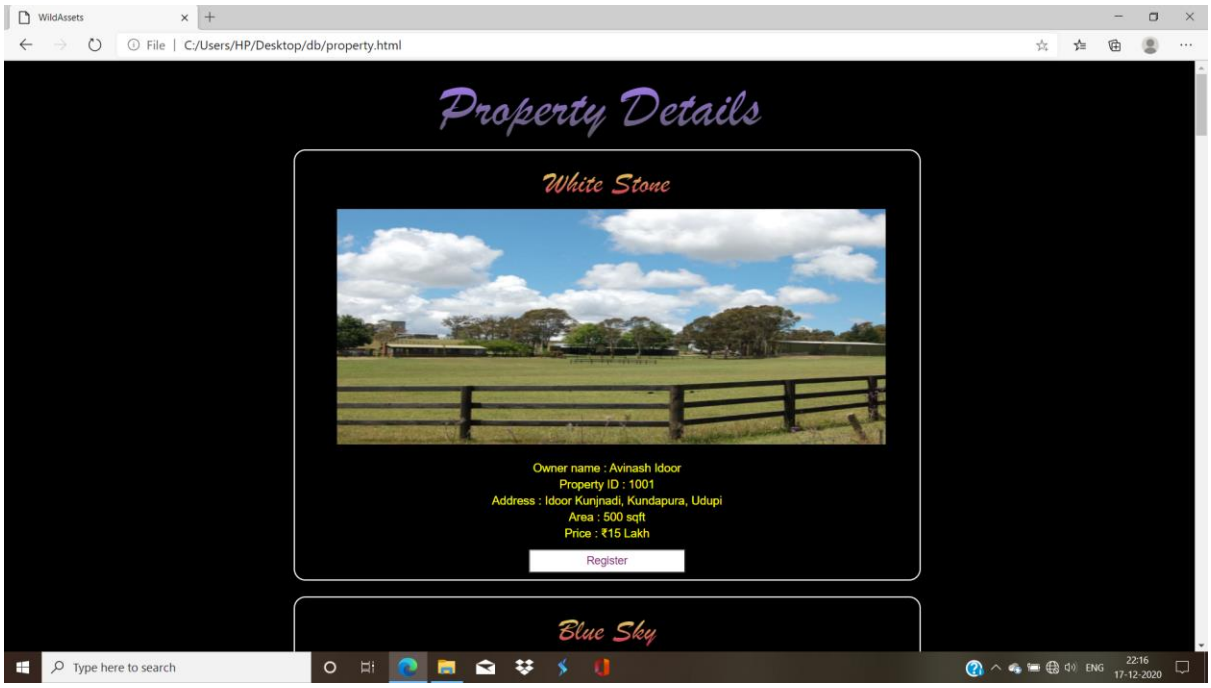
HOME PAGE



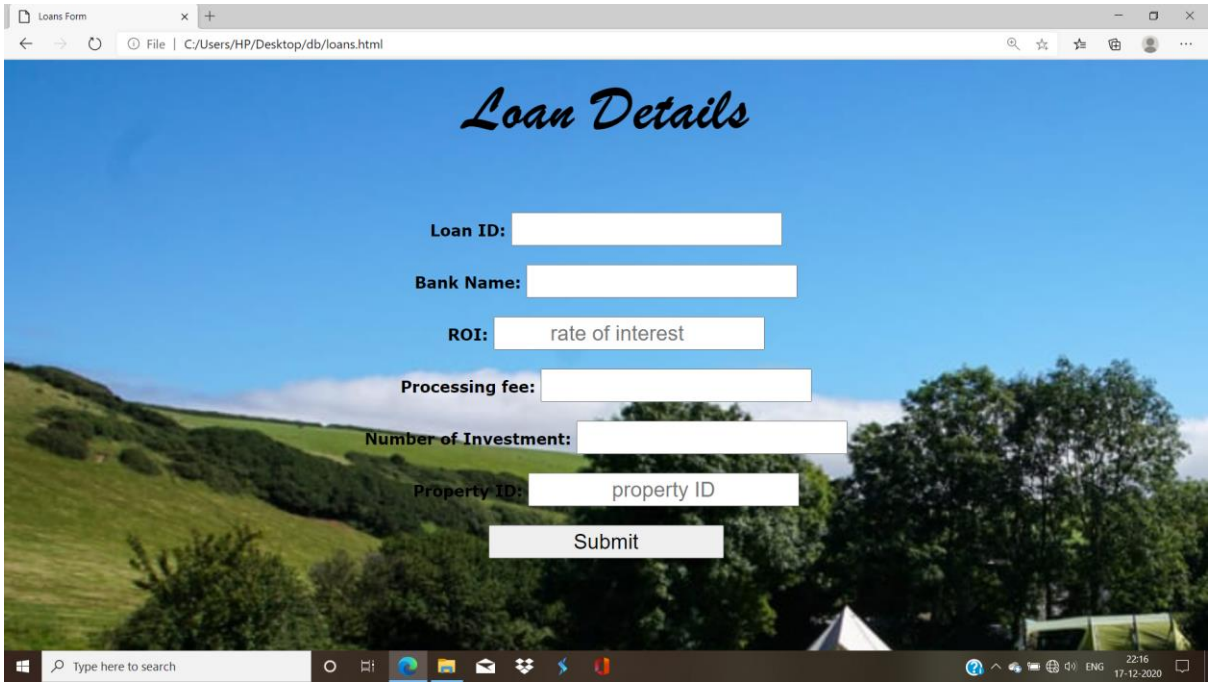
CUSTOMER DETAILS PAGE



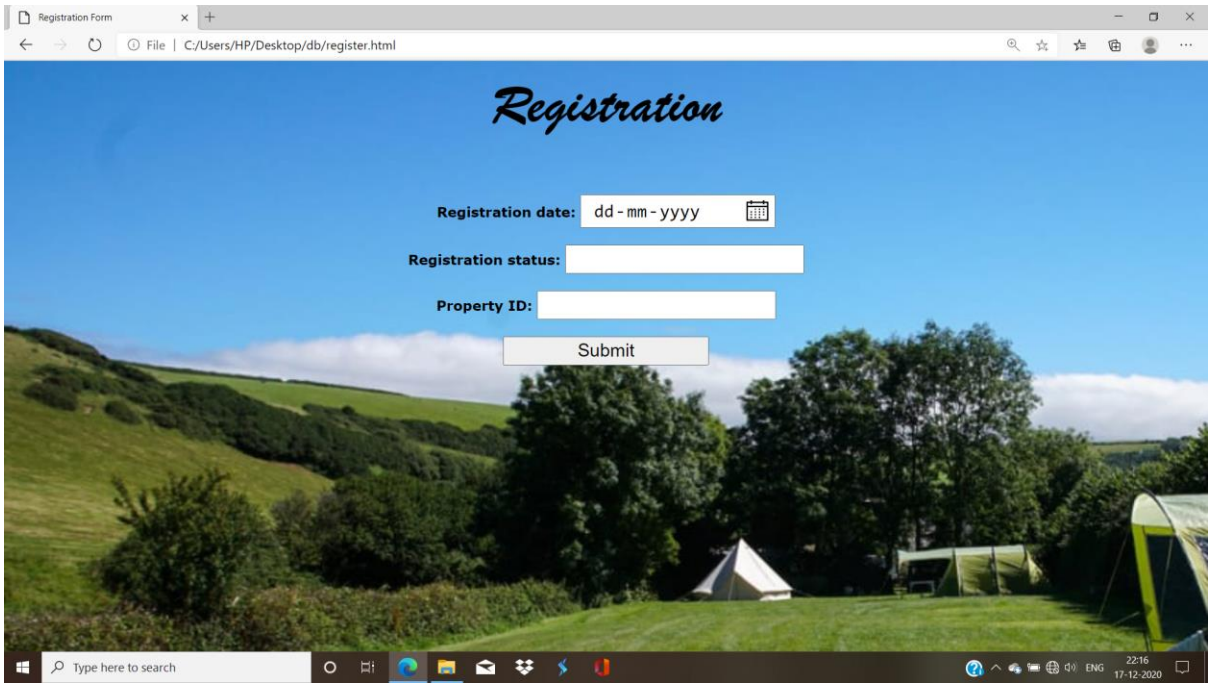
PROPERTY DETAILS PAGE



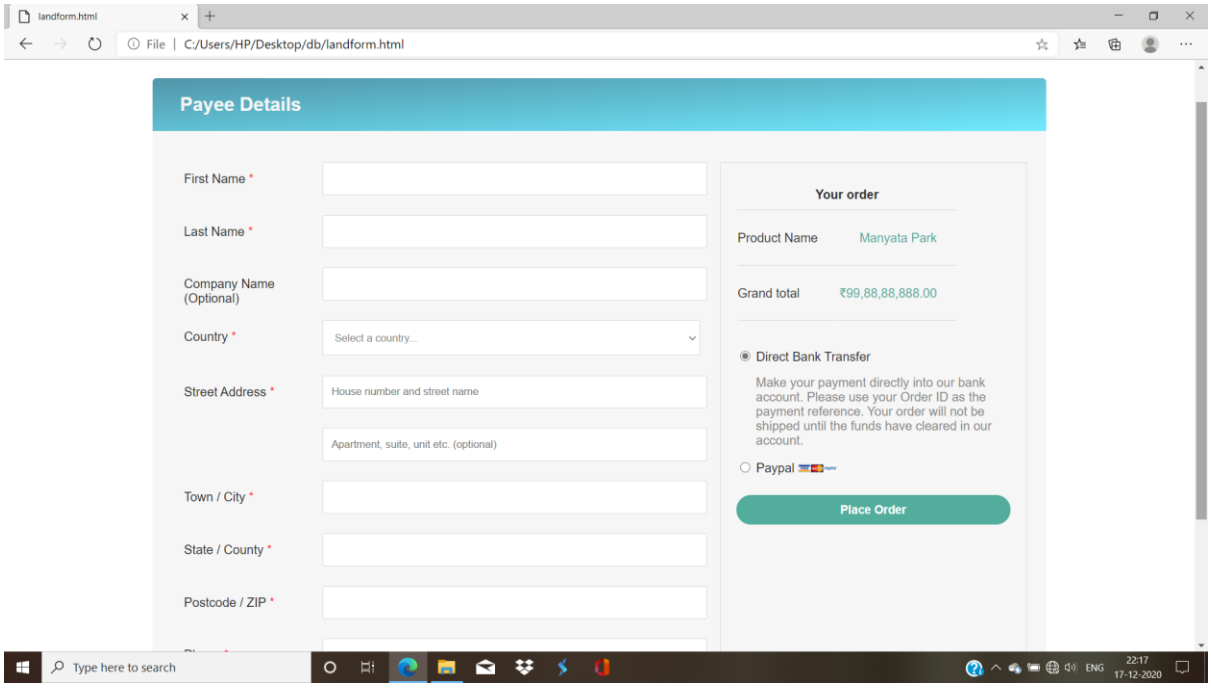
LOAN APPLICATION PAGE



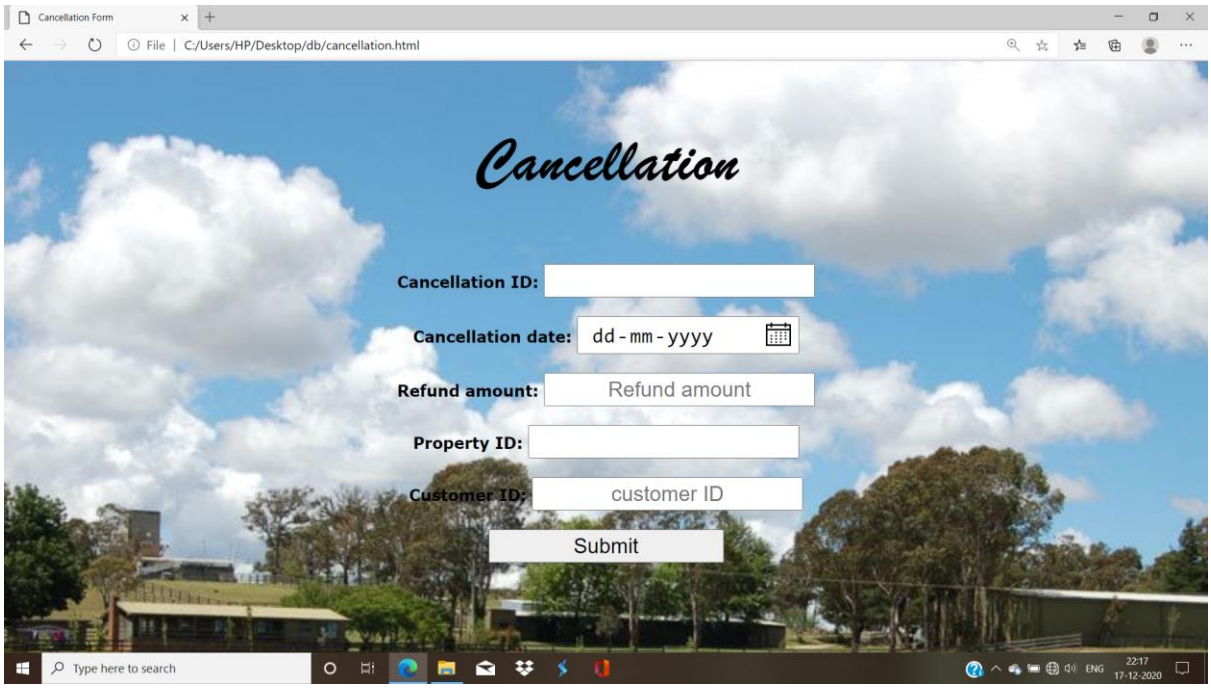
REGISTRATION PAGE



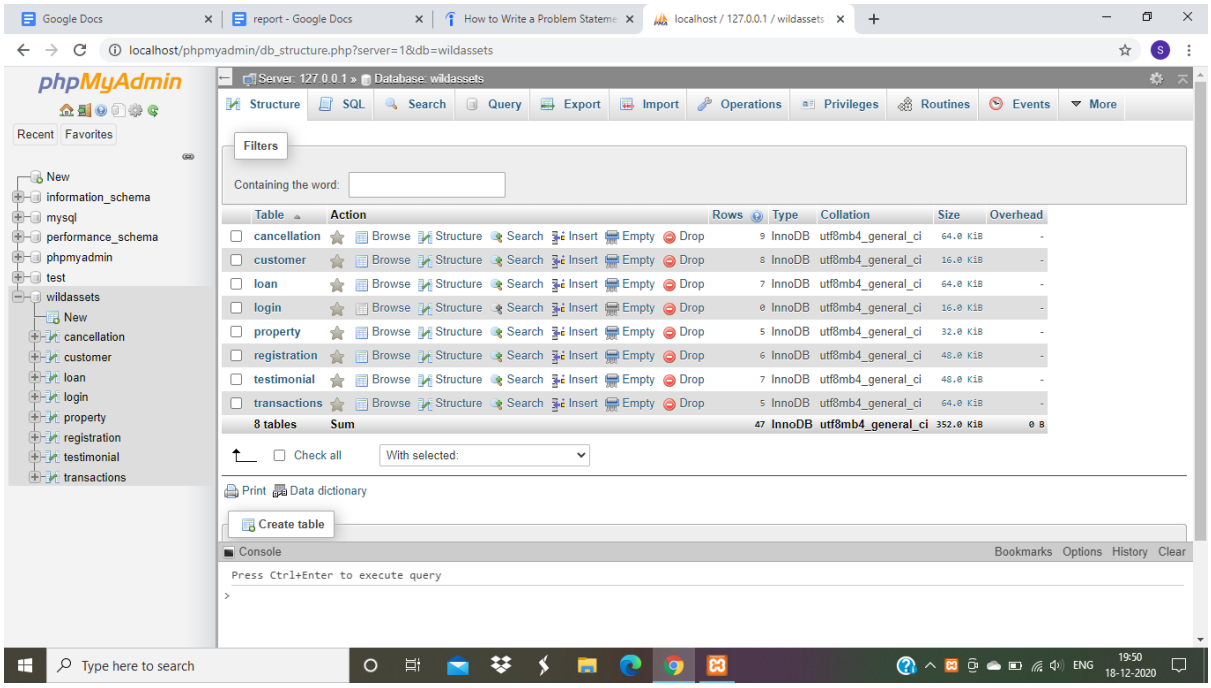
TRANSACTION PAGE



CANCELLATION PAGE



DATABASE MODULE



CHAPTER 7

CONCLUSION

‘Wildassets’ , a real estate database management system, is a in-demand system in today’s world where real estate is flourishing so much. ‘Wildassets’ is a system which keeps customers before money and profits. Its motto is customer service.

‘Wildassets’ uses the front end for interaction and for taking data from users. The main technology used for front end is HTML, CSS, Javascript. The backend uses PHP, Apache server, Xampp controller for storing and altering the database. The backend is accessible only to admin for security purpose and database maintenance.

Overall, this application is easy to use, easily accessible, reliable and secure. The users of the system can be any individual, real estate agents or business tycoons. The system contains plots for all purposes in a varied price range so every customer has plots to explore.

CHAPTER 8

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