VIDHYADEEP INSTITUTE OF COMPUTER & INFORMATION TECHNOLOGY, ANITA-KIM.

VEER NARMAD SOUTH GUJARAT UNIVERSITY (VNSGU)

PROJECT REPORT ON

“**DG-Estate**”

as a partial requirement for the degree of

bachelor of computer applications

[b.c.a]

3 YEARS integrated cource

YEAR: 2019 – 2022

SUBMITTED BY:

Darshan Nariya

(E19110403000110036)

GUIDED BY:

Drashti Bhatt

(Internal Guide)

ORGANIZATION:

KG Krunch

Solutions

VIDHYADEEP INSTITUTE OF COMPUTER & INFORMATION TECHNOLOGY, ANITA-KIM.

VEER NARMAD SOUTH GUJARAT UNIVERSITY (VNSGU)

PROJECT REPORT ON

“**DG-Estate**”

as a partial requirement for the degree of

bachelor of computer applications

[b.c.a]

3 YEARS integrated cource

YEAR: 2019 – 2022

SUBMITTED BY:

Darshan Nariya

(E19110403000110036)

GUIDED BY:

Drashti Bhatt

(Internal Guide)

ORGANIZATION:

KG Krunch

Solutions

# Acknowledgement

I

n successfully completing of this project, many websites, blogs, posts, videos, discussions have helped me.[[1]](#footnote-1) I would like to thank all these, I have also upvoted these blogs, videos whenever it was possible.

Every single problem in this project gave me a challenge, and I like challenges, it gave me huge confidence boost whenever I solved any challenging problem.

The Company where I worked (KG Krunch Solutions) was also a big help, while I didn’t make my project there, but I learned a lot while working there.[[2]](#footnote-2) I will be always thankful to the company and team.

This project doesn’t just show how much I know it also shows how much I don’t know. So, I’m looking forward to learn new things every day.

Now let’s come to the college “VIDHYADEEP INSTITUTE OF COMPUTER & INFORMATION TECHNOLOGY”, while admin department was a pain to work with, where I had some uneasy experiences, our department’s professors were easy on us, gave us lot of freedom. It was an experience in its own, and I thank all the faculty. [[3]](#footnote-3)

For upcoming days and new things, I’m ready, one day at a time, finally thanks to all the people and things that helped me directly or indirectly.

Darshan Nariya

# Index

[1 Introduction Profiles 1](#_Toc99121290)

[1.1 Project Profile 1](#_Toc99121291)

[1.2 Company Profile 2](#_Toc99121292)

[2 Objective of Project 3](#_Toc99121293)

[2.1 User 3](#_Toc99121294)

[2.2 Admin 3](#_Toc99121295)

[2.3 Root 3](#_Toc99121296)

[3 Environment Description 4](#_Toc99121297)

[3.1 Hardware Requirements 4](#_Toc99121298)

[3.1.1 Server 4](#_Toc99121299)

[3.1.2 Client 4](#_Toc99121300)

[3.2 Software Requirements 5](#_Toc99121301)

[3.2.1 Server 5](#_Toc99121302)

[3.2.2 Client 5](#_Toc99121303)

[3.3 Development Environment 6](#_Toc99121304)

[3.3.1 Hardware 6](#_Toc99121305)

[3.3.2 Software 6](#_Toc99121306)

[3.3.3 Dependencies 7](#_Toc99121307)

[3.4 Methods & Technologies 8](#_Toc99121308)

[4 Analysis Report 9](#_Toc99121309)

[5 Design Report 10](#_Toc99121310)

[6 Testing Reports 11](#_Toc99121311)

[7 Limitations of the System 12](#_Toc99121312)

[8 Future Enhancement of the project 13](#_Toc99121313)

[9 References 14](#_Toc99121314)

# Introduction Profiles

## Project Profile

|  |  |
| --- | --- |
| Title | DG-Estate |
| Organization | KG-Krunch Solutions |
| Category | Local Property listing Website |
| Duration | 3 Months |
| Front-End | Blade (Laravel Framework) |
| Back-End | Laravel Framework (PHP) + MySQL |
| Guide | Drashti Bhatt (Internal Guide) |
| Submitted by | Darshan Arvind Bhai Nariya  (E19110403000110036) |
| Submitted to | Vidhyadeep Institute of Computer & Information Technology |

## Company Profile

|  |  |
| --- | --- |
| Company Name | KG Krunch Solutions |
| Proprietor Name | Ashish Gajera |
| Business Type | Solutions Provider |
| Address |  |
| Contact No |  |
| Website |  |
| Email |  |
| Service Range |  |

# Objective of Project

## User

The main User side Objectives are:

* To enable users to surf all listed properties.
* Users can surf properties without the need of creating account.
* Users can filter properties by category, city, and search by property title.
* Users can create account and manage their profile, save properties, review properties, and change their password.

## Admin

The main Admin side Objectives are:

* Admin can add, and update existing category, facilities, city, property.
* Admin can add and delete images in property gallery.
* Admin can delete user reviews.
* Admin can give other users admin access.

## Root

The main Root side Objectives are:

* Root has access to all above features.
* Root is only one who can delete existing category, facility, city, property, and users.
* Root can manage website’s Home, About, FAQ, Terms page in CMS.
* Root can manage website’s other settings in Site Settings option.

# Environment Description

## Hardware Requirements

### Server

|  |  |
| --- | --- |
| Processor | 3rd Gen and above |
| Memory | 4 GB and above |
| Storage | 6 GB and above |

### Client

|  |  |
| --- | --- |
| Processor | 3rd Gen and above |
| Memory | 4 GB and above |
| Storage | 6 GB and above |

## Software Requirements

### Server

|  |  |
| --- | --- |
| Operating System | Windows 7 or above (10 recommended),  any Linux based, 64bit arch. |
| Server | Apache v 2.4 and above |
| Php | Php v 6 and above |
| MySQL | MySQL v 7 and above |

### Client

|  |  |
| --- | --- |
| Operating System | Windows 7 or above (10 recommended), 64bit arch. |
| Browser | Any Chromium based Browsers |

## Development Environment

### Hardware

|  |  |
| --- | --- |
| Processor | Ryzen 5 3550H |
| Memory | 8 GB |
| Storage | 256 GB |

### Software

|  |  |
| --- | --- |
| Windows | 10/11 64bit |
| WAMP server | V 4.1 |
| Chrome | V 99.0.4844.82 64bit |
| Git | Windows V 2.34.1 |
| Composer | V 2.2.3 |
| VS Code | V 1.50^ |
| Diagrams.net/Draw.io | V 17.2.3 |

### Dependencies

|  |  |
| --- | --- |
| Laravel | V 8.x |
| Bootstrap | V 5.1.3 |
| Bootstrap Examples | V 5.1 |
| JQuery | V 3.6.0 |
| Font Awesome | V 4 & V 5 |
| Data Tables | V 1.11.4 |
| Data Tables Bootstrap | V 1.11.4 |
| Fancy Apps | V 4 Fancy Box & Carousal |
| CKEditor | V 4 |

## Methods & Technologies

### PHP

PHP is a general-purpose scripting language geared toward web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994.The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Pre-processor.

PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code which may be any type of data, such as generated HTML or binary image data would form the whole or part of an HTTP response. Various web template systems, web content management systems, and web frameworks exist which can be employed to orchestrate or facilitate the generation of that response.

### MySQL

My SQL is an open-source relational database management system (RDBMS). Its name is combinations of “My”, the name of co-founder Michael Widenius' daughter, and "SQL", the abbreviation for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation. For proprietary use, several paid editions are available, and offer additional functionality.

MySQL is a central component of the LAMP open-source web application software stack (and other "AMP" stacks). LAMP is an acronym for "Linux, Apache, MySQL, and Perl/PHP/Python". Applications that use the MySQL database include: TYPO3, Mode, Joomla, WordPress, php DB, MyDB, and Dural. MySQL is also used in many high-profile, large-scale websites, including Google (though not for searches), Facebook, Twitter, Flicker, and YouTube.

### Laravel

Laravel is a free, open-source PHP web framework, created by “Taylor Otwell” and intended for the development of web applications following the model-view-controller (MVC) architectural pattern and based on Symfony. Some of the features of Laravel are a modular packaging system with a dedicated dependency manager, different ways for accessing relational databases, utilities that aid in application deployment and maintenance, and its orientation toward syntactic sugar.

### MVC

# Analysis Report

# Design Report

# Testing Reports

# Limitations of the System

# Future Enhancement of the project

# References

1. Because I’m introvert I didn’t really ask someone else to help me actually. [↑](#footnote-ref-1)
2. Because I only learn things when I’m under pressure. [↑](#footnote-ref-2)
3. Fun fact: every semester there was one new faculty replacing other. [↑](#footnote-ref-3)