



5/2/2022

PROPOSAL

Unique Home Staging & Decor

To upgrade existing static website to dynamic, database driven e-commerce website



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UNISCIENCE WEB INFOTECH

PROPOSAL: Upgrading Unique Home Staging & Decor Website

To:

Steve George-Director,
Unique Home Staging & Décor
Email: edu@pagerange.com

From:

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Proposal –Uniscience Web Infotech

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Background

Unique Home Staging & Decor (UHS) is a Winnipeg-based company, which is providing home staging and decor services. The currently available website was developed in 2008, and it is static website. They are looking upgrade website with the use of current technology like PHP, MySQL and host website on Amazon Web Service.

Target Audience

Primary Audiences of Unique Home Staging & Decor are realtors and sellers who want to sell their houses, apartment, and commercial space. They give priority to look so the website's design should be attractive and provide basic information about the company's services. The secondary target audience is people who want to redecorate their homes, so it will be easy for them to hire professionals and decorate their homes. Also, people can use our work as a reference and design their homes and commercial space. It will mostly use by 25 years or older aged people; it should be easy to navigate as some people are less comfortable with technology. They mostly use laptops and mobile devices so the website should be accessible from mobile as well.

Goals and Objective

New updated dynamic website should have followed new features for customers and admin.

For Customer

- Search services based on keywords on services page
- Filter services based on category and detail view of service
- Add service to cart and checkout with payment
- Contact us form to submit inquiry
- Registration, login and logout functionality for Customer

- Registration should only allow for unique email(new customer)
- Password should save protectively by following standard security approach

For Admin

- Login/Logout functionality
- Manage Category (View, Add, Update and Delete category)
- Manage Services (View, Add, Update and Delete service) as well search functionality for service
- Manage User (View, Add, Update and Delete users)
- Manage Orders (View, Add, Update and Delete order)
- Dashboard should have aggregate information

Database

It should consist of five tables: Category, Service, Order, Order_Service, User and Log table. Including different data types like integer, text, varchar, boolean, DateTime, char, and enum, etc.

Category Table

Category table is used to store data related to service. It is used to differentiate services based on the type. Users can see the category list on the home page and service page and by clicking on any category, users can see the service of that product related to that category. The categories table should contain category id, title, and image. Id also acts as a foreign key for the product table. Admin can add, update, and delete categories from the category page of the admin panel.

Service Table

Service table is used for storing service. It should have fields like id, title, description, short_description, image, category, tag, display, estimated_time , no_of_staff_required, deleted, created_at and updated_at. Admin can add, update and delete services from the admin panel.

Order Table

Order table is used to store order information and act as an invoice for orders. It has a connection with the service table using the line table order_service table. It should have fields like id, user_id, credit_card_info, auth, gst, pst, sub_total, total, order_status, deleted, created_at and updated_at.

User Table

User table is used to store user's information which will be submitted through user registration. It should store information such as first name, last name, password, email address, contact number, street, city, province, country, postal code, and whether a user has subscribed to the newsletter or not. Email should be unique for every user. Also, role field for storing user's role like user or admin

Order_service Table

It is the line table of the Order and Service table. It has two foreign keys order_id and service_id. We also store some information from the service table. Like the price of service so whenever the original service price updates it doesn't affect the invoice of the previously ordered service.

Logs Table

It will be used to store the website usage logs. We are tracking every page visit with the date and response time. The last 10 entries will be accessible to the admin from Admin Dashboard.

Use Cases

Admin Users

Admin users can access the admin panel using valid authorized credentials. After authorization, the admin can add/modify/delete categories from the category, services, and user table. Admins have access to the order page which will show all orders. On the dashboard page, statistics and logs can be accessed by the admin.

Unauthorized Users

All users have access to the home, service, about, pricing, and contact us page. Also, they can log in or register. Also, they can add service to a card and during the checkout process, they can log in or register.

Authorized Users

Authorized users have access to all unauthorized pages. In addition to my profile and order history page.

Security

XSS Protection

Cross-site script injections can easily prevent using PHP built-in `htmlentities()` function to sanitize data.

This makes sure that all data get sanitized before sending to the client browser.

CSRF Protection

Cross-site request forgery attacks can be prevented using CSRF Tokens in forms. Here, we save tokens in session and check them before processing the form.

SQL Injection Protection

SQL injection can be prevented using a prepared query. Instead of executing a query directly it should use prepare statements and then execute those statements. Also, bind parameter instead of direct merging it with query.

User and Admin Authentication

User and admin both are saved in the user table. It can differentiate using role field. In this table, a password is stored in encrypted form using `password_hash`. While checking the user password in a database, need to use `password_verify` function.

Project Requirements and Deliverables

- Dynamic website with admin and user logins
- Basic E-commerce features like add to cart and checkout
- Registered users should my profile and order history page

Supplier Qualifications

UniScience Web Infotech is a local Winnipeg company that has been working since 2010. We focus on providing a variety of web and app development solutions that make a huge difference in our clients' productivity and profitability. The company is built on the foundation of three points, namely high performance, high productivity, and a positively energized working environment.

Our Team for the project:

- **Dhruval Viradiya (B.Tech I.T) – Sr. Web Developer** with 10 Years of experience in Software development.
- **Kirti Panchani (B.Tech I.T) - Graphic Designer**, he is working in the industry for over 7 Years. He is very good with Photography and creative arts.
- **Akshay Savani (B.Tech I.T) - Graphic Designer**, he has 5 years of experience in designing and he is very good at photo editing.
- **Mark Joe (Web Development Diploma) - Programmer**, Mark is working in the industry for the last 6 years. He is very good at coding HTML, CSS, PHP, MySQL, and JavaScript.

Budget

Itemized Breakdown of phases are given as below:

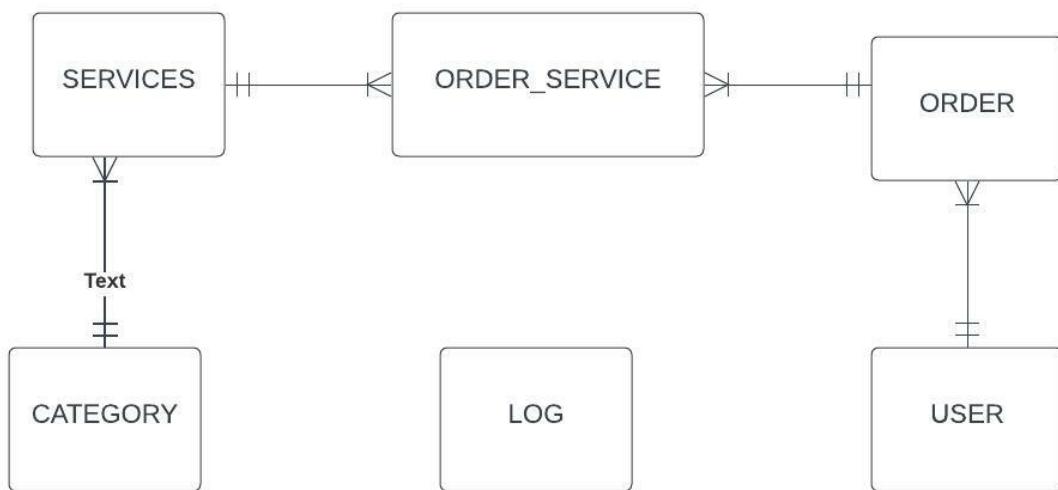
Development Phase	Hours	Price
Proposal	4	\$0
Planning/Exploration/Database	7	\$0
Design/Content	15	\$0
Coding/Programming	28	\$0
Testing/Launch	6	\$0
Total	60	\$0

Timeline

Development Phase	Hours	Start Date	Due Date
Proposal	4	May 5, 2022	May 5, 2022
Planning/Exploration/ Database	7	May 2, 2022	May 5, 2022
Design/Content	15	May 3, 2022	May 6, 2022
Coding/Programming	28	May 4, 2022	May 11, 2022
Testing/Launch	6	May 10, 2022	May 12, 2022

Data Model

Conceptual Data Model

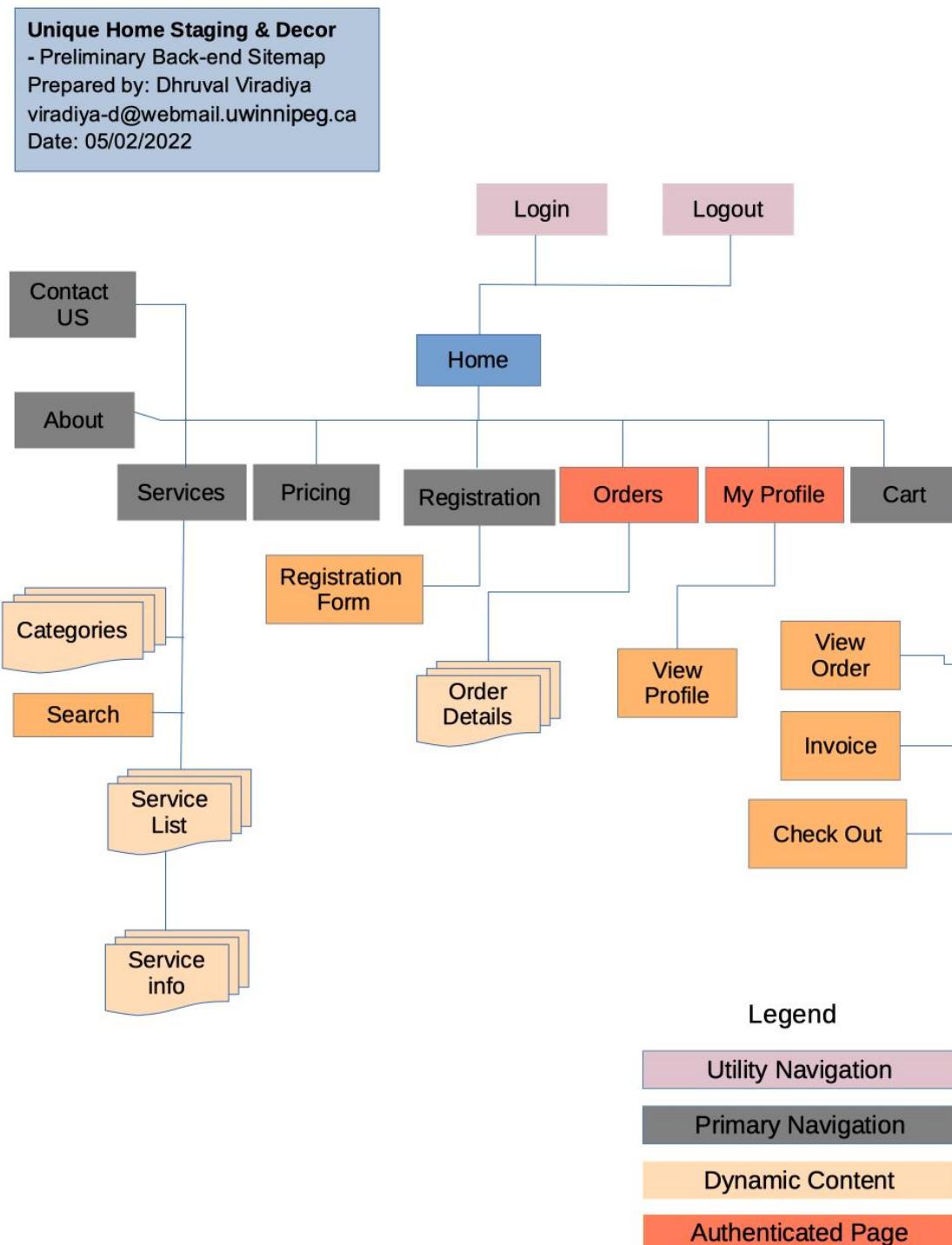


Physical Data Model



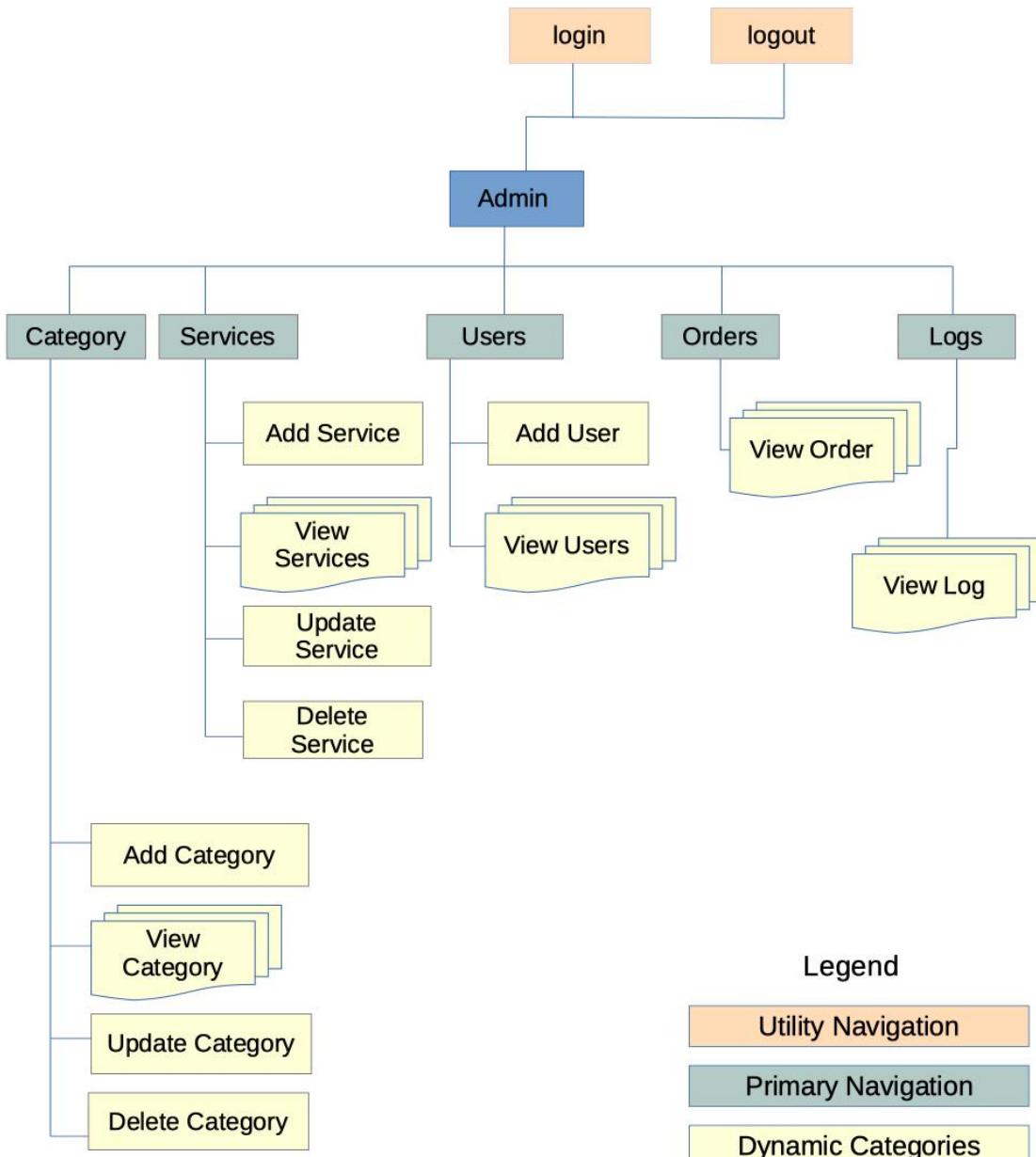
Sitemap

Front End Sitemap



Backend Sitemap

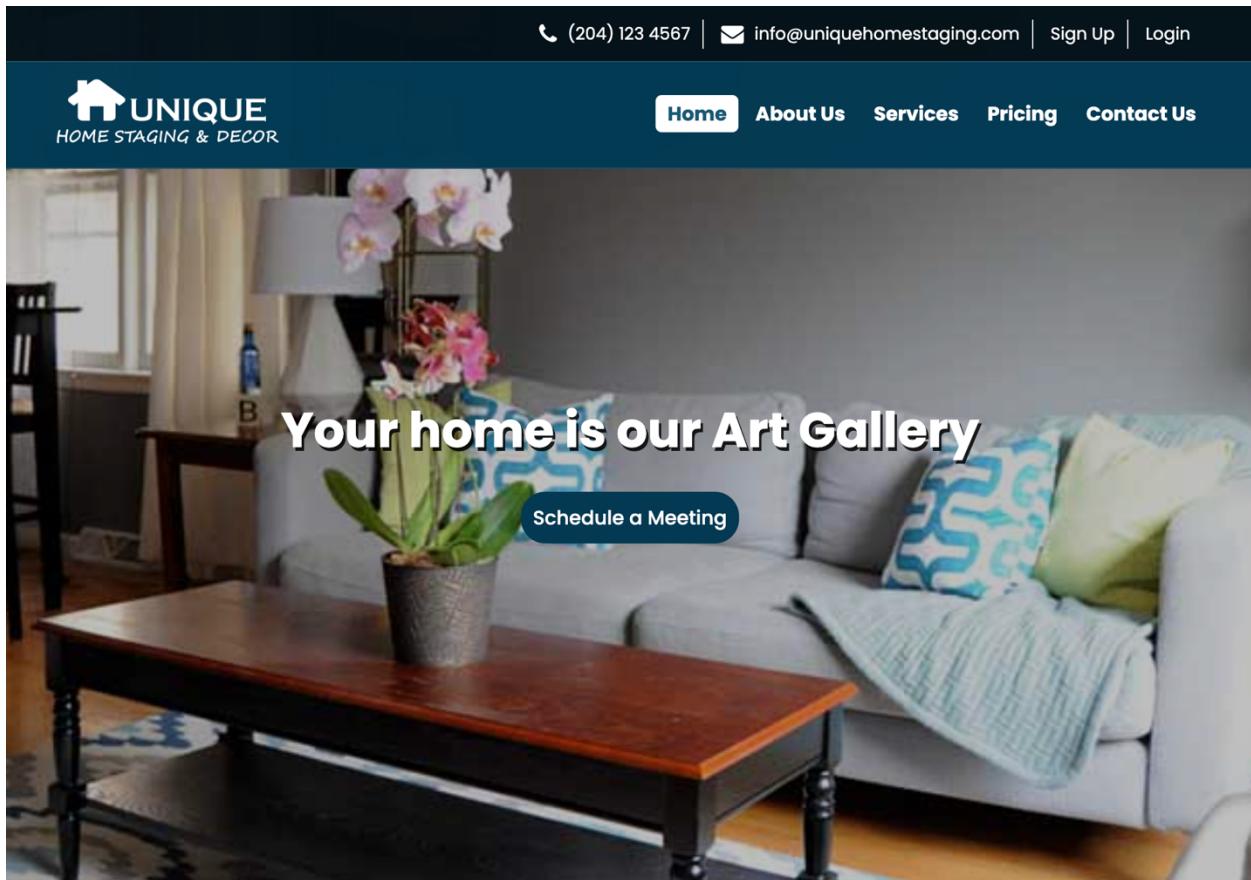
Unique Home Staging & Decor
 - Preliminary Back-end Sitemap
 Prepared by: Dhrupal Viradiya
 viradiya-d@webmail.uwinnipeg.ca
 Date: 05/02/2022



Story Board

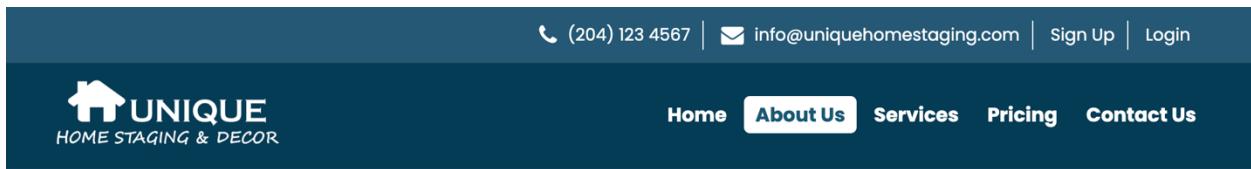
Home Page

Home page contains their branding, tagline, and call to action. The call to action is “Schedule a Meeting”. Also, login, register, and contact information are available on top(header) and footer.



About Us

About page have details about the company's value and the services they offer.



The screenshot shows the top navigation bar of the website. It includes a phone icon and the number (204) 123 4567, an email icon and the address info@uniquehomestaging.com, a "Sign Up" button, and a "Login" button. Below this is a dark blue header with the "UNIQUE HOME STAGING & DECOR" logo on the left, featuring a stylized house icon. To the right of the logo are five navigation links: Home, About Us (which is highlighted in white), Services, Pricing, and Contact Us.

— About Unique Home Staging & Decor —

Unique Home staging helps you to sell your home faster and with the high value of your home. We work on the best to transform your home /real estate property into a masterpiece. With our collection of high-end furniture, Decorative and antiques we make buyers believe in their future home.

Our team of real estate expertise and designer helps in giving a fabulous look that turns walls into a Home.

We start with the consulting and visiting the house – Which is free!!! We advised and suggest staging and decoration that can give a unique look to the buyer or the seller.

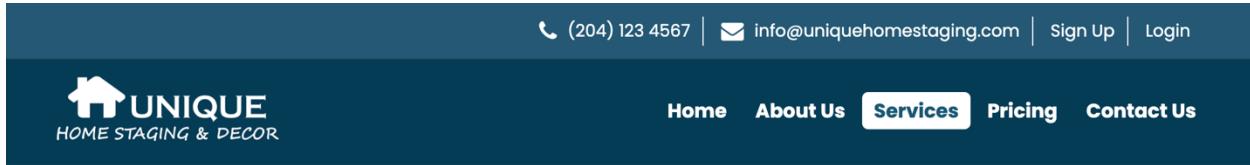


This section provides three ways to contact the company: "Our Location" with a location pin icon, "Call Us" with a phone receiver icon, and "Email" with an envelope icon.

Services

This page will have all services listed with a description. It will give a basic idea about the user services.

Also, services can be filtered using categories and search services.



Services

Occupied Home Staging

Occupied home staging is process in which there is few changes made to give a unique look to the buyer, while the living in the same home during the home is in market. We suggest in minor repairs and some changes such as adding and mixing of the furniture's, decorations which helps to give a unique look to home.

We make it appealing to the people who are planning to buy a home. Staged home is always sold faster in the market (based on survey Approx. 50% faster)



Vacant Home Staging

The primary goal of home staging is to increase the value of the



Pricing

This page will provide a basic idea about the cost of services.

The screenshot shows the top navigation bar of the website. It includes a phone icon and the number (204) 123 4567, an envelope icon and the email address info@uniquehomestaging.com, a 'Sign Up' button, and a 'Login' button. Below this is a dark blue header with the 'UNIQUE HOME STAGING & DECOR' logo, which features a stylized house icon and the word 'UNIQUE' in large letters. To the right of the logo are the navigation links: Home, About Us, Services, Pricing (which is highlighted in a white box), and Contact Us.

Pricing

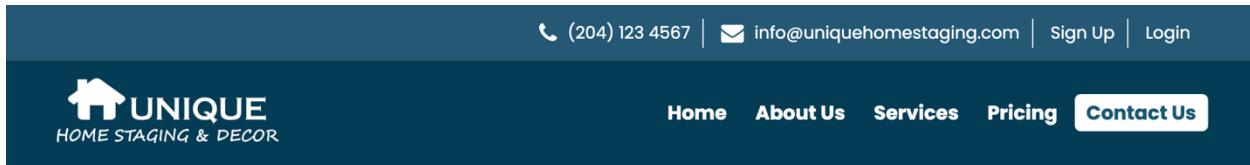
Actual charges will be calculated based on Sq. ft and rent duration

	Single family (detached)	Duplex and Triplex	Townhouses	Bungalow	Cottage	Commercial Space
Occupied Home Staging	Starts from \$600*	Starts from \$700*	Starts from \$800*	Starts from \$900*	Starts from \$1000*	-
Vacant Home Staging	Starts from \$500*	Starts from \$600*	Starts from \$700*	Starts from \$800*	Starts from \$900*	-
Commercial Space Staging	-	-	-	-	-	Starts from \$1000*



Contact Us

Contact page will be used for generating inquiries. Clients need to fill out the contact form by providing their first name, last name, email, phone number, and message.



— Contact us —

Please fill out the information below:

First Name:

Last Name:

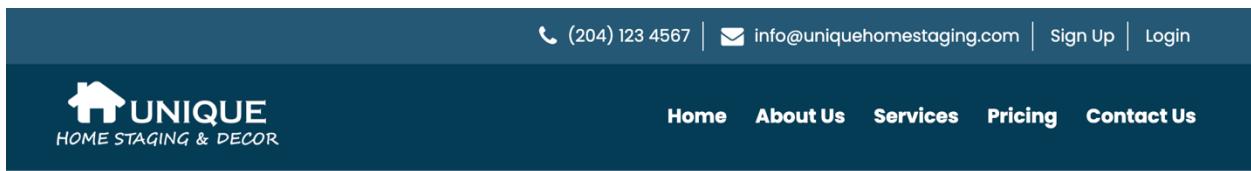
Email:

Phone:

Message:

Registration

User can register using the registration page.



Sign up

Please fill out the information below:

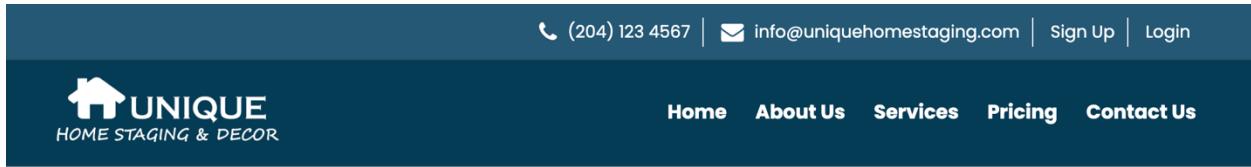
First Name*	<input type="text"/>
Last Name*	<input type="text"/>
Email*	<input type="text"/>
Phone*	<input type="text"/>
Password*	<input type="text"/>
Confirm Password*	<input type="text"/>
Street*	<input type="text"/>
City*	<input type="text"/>
Postal Code*	<input type="text"/>
Province*	<input type="text"/>
Country*	<input type="text"/>

Do you want to subscribe for newsletter?



Login Page

Login page for authenticating users. Normal users and administrators both can log in using this page.



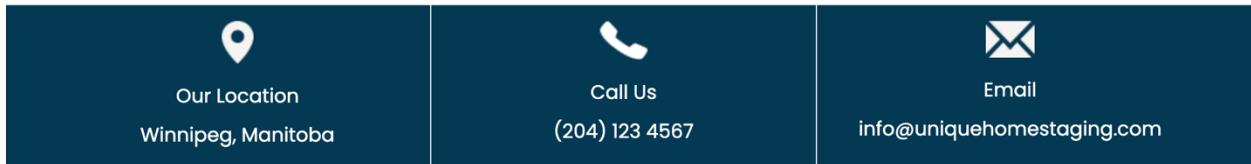
— Login —

Please fill out the information below:

Email*

Password*

Submit



Admin Panel - Dashboard

Dashboard page of admin panel. On this page, recent log history and some aggregate data will be displayed.



Dashboard

Recent Log History:

Log Entry

2022-05-05 20:21:18 | GET | /php_capstone/public/admin/ | 200 | Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/101.0.4951.41 Safari/537.36

2022-05-05 20:20:59 | GET | /php_capstone/public/admin/ | 200 | Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/101.0.4951.41 Safari/537.36

2022-05-05 20:20:48 | GET | /php_capstone/public/admin/ | 200 | Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/101.0.4951.41 Safari/537.36

2022-05-05 20:20:38 | GET | /php_capstone/public/admin/ | 200 | Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/101.0.4951.41 Safari/537.36

2022-05-05 20:20:28 | GET | /php_capstone/public/admin/ | 200 | Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/101.0.4951.41 Safari/537.36

2022-05-05 20:20:01 | GET | /php_capstone/public/admin/ | 200 | Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/101.0.4951.41 Safari/537.36

2022-05-05 20:19:13 | GET | /php_capstone/public/admin/ | 200 | Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36

Invoice

UniScience Web Infotech

102, Portage Avenue
Winnipeg, MB R2N 1T7
Viradiya-d@webmail.uwinnipeg.ca

TO:

Steve George
Unique Home Staging & Décor
Portage Ave,
Winnipeg, MB R2N 1T7
edu@pagerange.com

INVOICE

INVOICE # 100
DATE: 05/05/2022

DESCRIPTION	HOURS	AMOUNT
Proposal	4	\$0
Planning/Exploration/Database	7	\$0
Design/Content	15	\$0
Coding/Programming	28	\$0
Testing/Launch	6	\$0
Total	60	\$0
	TOTAL DUE	\$0

Make all checks payable to UniScience Web Infotech
If you have any questions concerning this invoice, Dhruval Viradiya, 204 912 2131, viradiya-d@webmail.uwinnipeg.ca

THANK YOU FOR YOUR BUSINESS!

Site Bible

Hosting/Cloud Provider

Amazon Web Service

PHP Version

8.1.4

Server IP

35.182.24.14

Project URL

<http://dhruvalviradiya.com>

Admin User Login

Email: admin@dhruvalviradiya.com

Password: mypass123

Registered User Login

Email: test@yopmail.com

Password: welcome007