



Software Requirements Specification

Version 1.0

Theme: Home Interiors

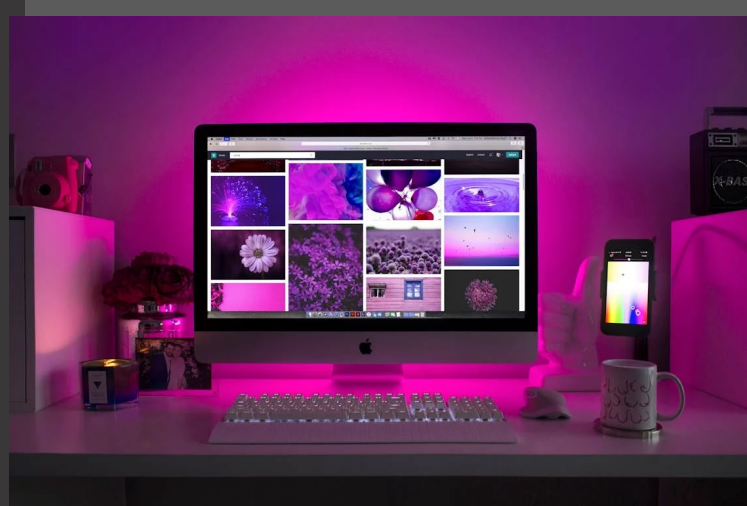
Project Name: HomeStyler

Category: Website Design and Development

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Background and Necessity for the Website



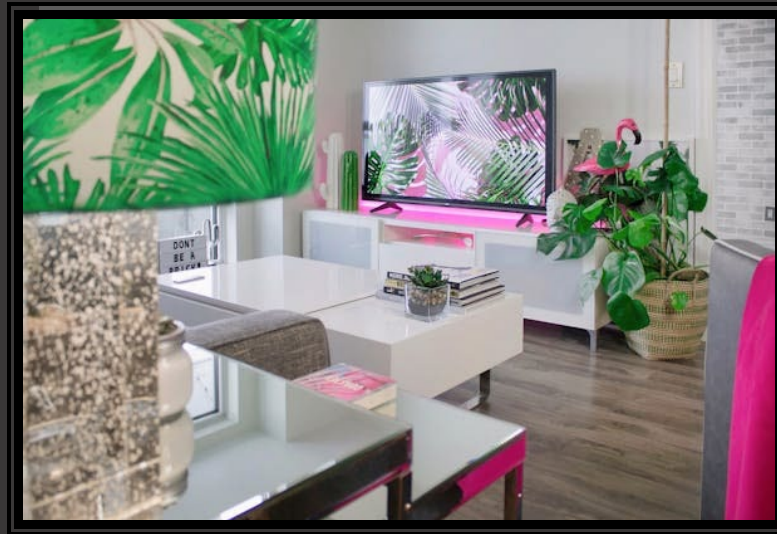
As modern home interiors have become increasingly popular, individuals often find themselves overwhelmed with various design options, furniture choices, and decor elements. This is where a dedicated home interior Website can provide significant value and convenience to users. Some reasons how such a Website can be useful are as follows:

➤ Centralized Platform:



A home interior design management Website acts as a centralized platform where users can view various interior designs, accessories, and products that can enhance their homes. They can also view information about different professional interior designers and their rates, work experience, and more on a single platform instead of multiple Websites.

➤ **Project Costs Display:**



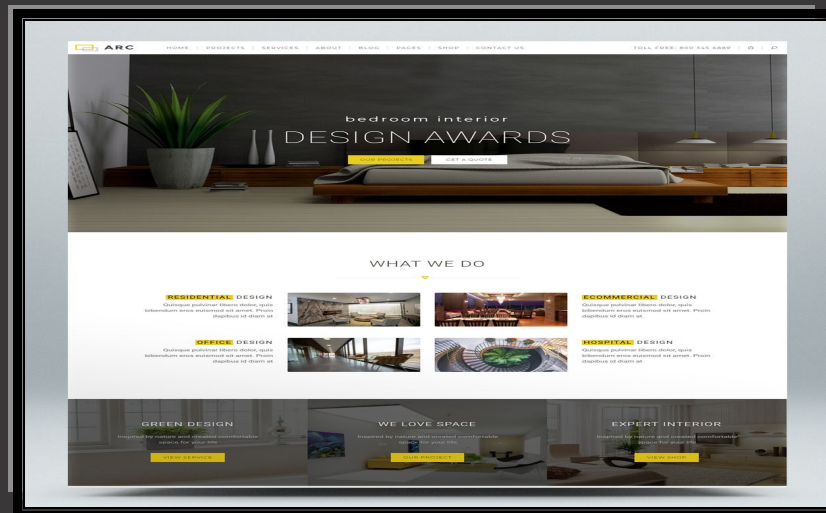
With the ever-increasing number of design options available, it is easy to lose track of projects and their associated costs. A home interior Website enables users to estimate costs by viewing cost of different designs, accessories, and products. By having a clear overview of items that their projects may require, users can make decisions as per their budgets more effectively.

➤ **Convenience and Time Savings:**

Home interior design Website revolutionizes the way people approach home decor by offering a digital hub for inspiration and planning. This online platform brings together diverse design elements, from furniture to color schemes, in one easily accessible space. Users can explore curated collections, trending styles, and innovative ideas from designers worldwide, all from the comfort of their own homes. The Website allows individuals to draw inspiration from real-world examples.

1.2

Proposed Solution



The proposed solution is to create a Website called '**HomeStyler**' that allows users to view home interior design elements and inspirations on one centralized platform.

The Website should provide features such as displaying design images, accessories, and products to improve home interiors.

It should also display prices of different designs and accessories and provide searching, sorting, and filtering functionalities. The site can display details of professional interior designers along with their profiles and rates.

1.3

Purpose of the Document

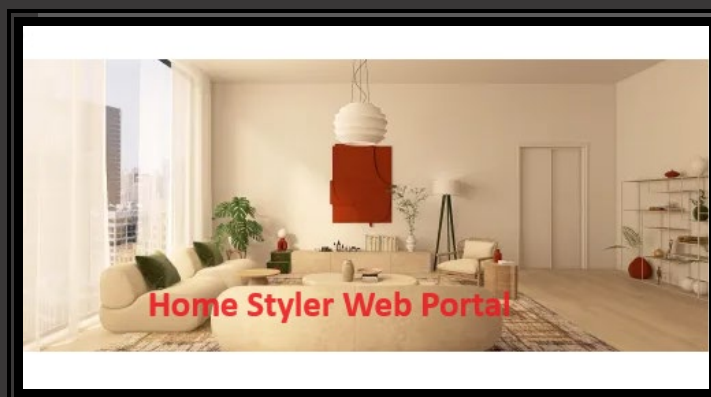


The purpose of this document is to present a detailed description of the Website, **HomeStyler**.

This document explains the purpose and features of the Website, the interfaces of the Website, what the Website will do, and the constraints under which it must operate. This document is intended for both stakeholders and developers of the Website.

1.4

Scope of Project



HomeStyler will be a responsive and visually appealing Website to be used by individuals interested in home interior design.

The Home Interior Design Website will be designed to help users visualize and select interior design products and ideas. It will provide a wide range of products and sample room designs to cater to various user preferences and requirements. Profiles of professional interior designers will also be available on the site.

1.5

Constraints

The Website will not have any facility to store information on the server. Information can be fetched from JSON/TXT files and users can view the same being displayed, however, information cannot be written to the files from within the Website.

1.6

Functional Requirements

The project will be designed as a Single-Page-Application (SPA) and responsive Website with a set of pages and menus that represent the choice of activities to be performed. The pages, menus, and other visual elements must be designed in a visually appealing manner with attractive fonts, colors, and animations. All of these should also be laid out in a responsive manner.

Following are the functional requirements for the Website:

1. Home Page:

- Upon launching the Website, users should be shown a home page that displays a design gallery and menus for different features. Values for these can be displayed as a table or an image gallery with hardcoded data or from the JSON/TXT file since there is no database functionality for the site.

2. Viewing Design Styles:

- Users should be able to view design styles by selecting categories from a predefined list.

Categories can include Living room, Kitchen, Bedroom, and so on. The site can also feature different types of trends such as Contemporary styles, Elegant look, and so on.

- Each design page will include images, descriptions, and list of products used in the design.

- Users should be able to view the cost of each design.

3. Professional Interior Designers Gallery

- Users should be able to view details of different designers so that they can contact them later for expert advice.

4. **Searching, Sorting, and Filtering:**

- Users should be able to search for specific design elements, styles, or projects using a search bar.
- Users should be able to sort the projects or products based on different criteria (for example, name, style, and price).
- Users should be able to filter products based on specific criteria (for example, room type, style, and budget range).

5. **Feedback:**

- Feedback menu option should enable users to provide their feedback about this Website through a feedback form. Data will not be saved or submitted though.

6. **Contact Us:**

- Contact Us menu option should enable users to contact the creators of the Website. An email id and/or a phone number can be displayed here for contact information. You can also make use of GPS/Geolocation here.

7. **Browsing Products:**

- Users can view a list of interior design-related products categorized by type.
- Each product listing will include an image, description, price, and user reviews.
- **Product Categories and Subcategories:**
 - **Furniture:**
 - Sofas and Couches
 - Chairs and Recliners
 - Tables (Dining, Coffee tables, or Side tables)
 - Beds and Mattresses
 - Storage (Cabinets, Shelves, or Dressers)
 - **Lighting:**
 - Ceiling Lights
 - Wall Lights
 - Floor Lamps
 - Table Lamps
 - Outdoor Lighting
 - **Decor:**
 - Rugs and Carpets
 - Curtains and Blinds
 - Wall Art and Mirrors
 - Cushions and Throws
 - Vases and Plant Pots
 - **Kitchen:**
 - Cabinets and Pantries

- Countertops
- Sinks and Faucets
- Kitchen Islands and Carts
- Backsplashes
- **Bathroom:**
 - Vanities and Cabinets
 - Showers and Bathtubs
 - Toilets and Bidets
 - Bathroom Sinks
 - Mirrors and Medicine Cabinets

8. **Product Selection:**

- Users can select products based on filters such as category, subcategory, price range, and rating.
- Selected products can be added to a wishlist for future reference. (Hint: This can be just implemented as a table that is populated upon a button click).

9. **User Reviews and Ratings:**

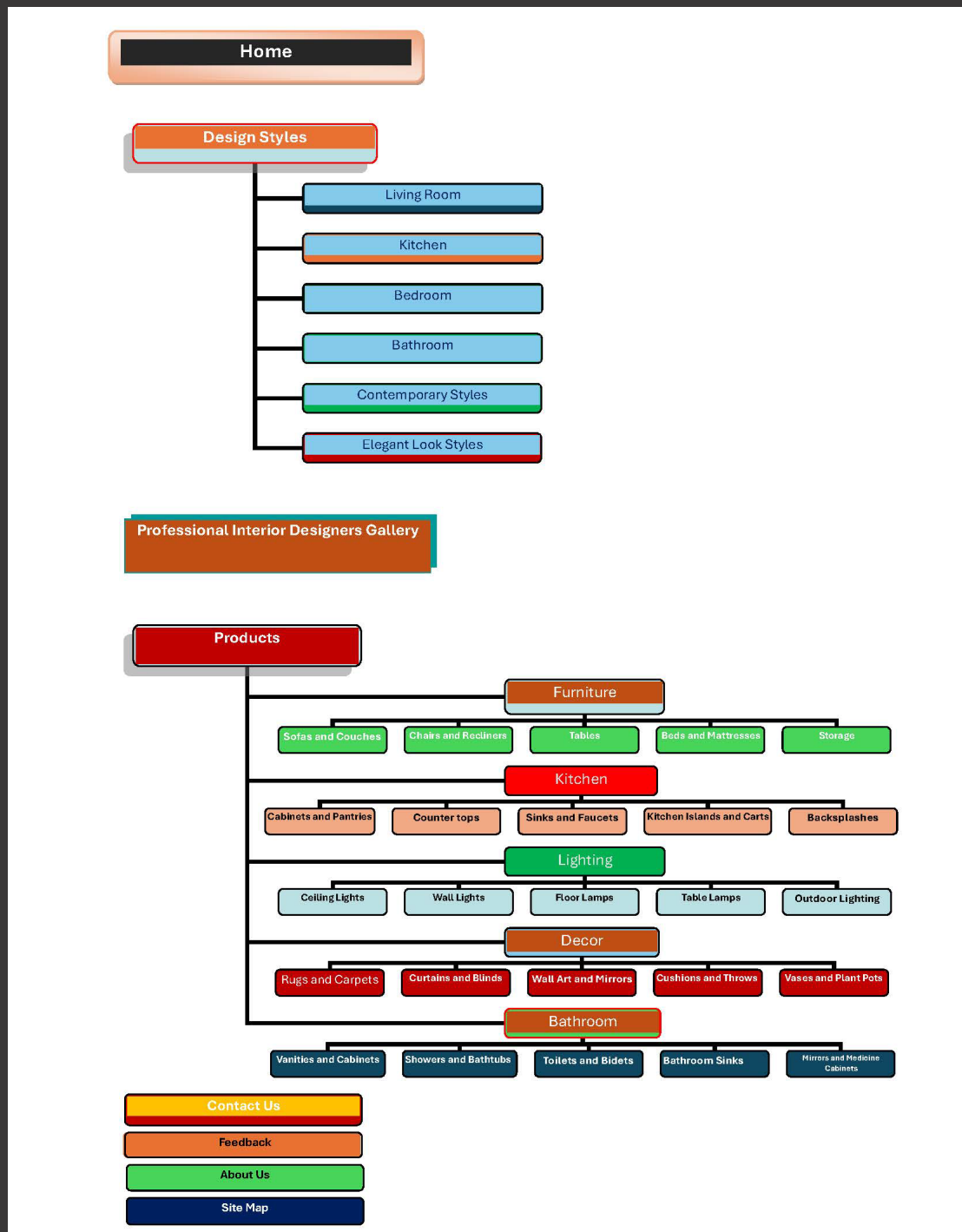
- Users can read reviews and ratings for products and designs.

10. **About Us Page:**

- This option can display information about the creators of the Website.

Sitemap: To help users understand the flow of the Website, you will create a Sitemap and add it to the home page of your Website.

Sample sitemap:



Non-Functional Requirements

There are several non-functional requirements that should be fulfilled by the Website.

These include:

Safe to use: The Website should not result in any malicious downloads or unnecessary file downloads.

Accessibility: The Website should have clear and legible fonts, user-interface elements, and navigation elements.

User-friendliness: The Website should be easy to navigate with clear and easy to understand elements.

Operability: The Website should be reliable and efficient.

Performance: The Website should demonstrate high value of performance through speed and throughput. In simple terms, the Website should have minimal load time and smooth page redirection.

Scalability: The Website should support a large number of concurrent users.

Availability: The Website should be available 24/7 with minimum downtime.

Compatibility: The Website should be compatible with latest browsers and devices.



These are the bare minimum expectations from the project. It is a must to implement the **FUNCTIONAL** and **NON-FUNCTIONAL** requirements given in this SRS. Once they are complete, you can use your own creativity and imagination to add more features if required.

Important: Do NOT use boilerplate templates or readymade templates for development as it will adversely affect your evaluation. Your own Website design and development skills will be tested, hence no third-party templates should be used here.

1.8

Interface Requirements

Hardware

Intel Core i5/i7 Processor or higher

8 GB RAM or higher

Color SVGA

500 GB Hard Disk space

Mouse

Keyboard

Software

Technologies to be used:

IDE: Visual Studio Code / Notepad++ / CoffeeCup or any other HTML Editor

Frontend: HTML5, CSS3, Bootstrap (optional), jQuery, JavaScript, Figma Toolkit, AngularJS/Angular 9 or higher/ReactJS 18 or higher, and XML

Data Store: JSON/TXT

1.9

Project Deliverables

You will design and build the project and submit it along with a complete project report that includes:

- Problem Definition
- Design Specifications
- Diagrams such as Flowcharts for various Activities, Data Flow Diagrams, and so on
- Test Data Used in the Project
- Project Installation Instructions (if any)

Tasks:

1. Design the UI for the **HomeStyler** site, including the dashboard, navigation menu, forms, and lists.
2. Create necessary components and services to manage design projects and styles.
3. Implement Searching, Sorting, and Filtering features.

4. Optionally, use REST APIs if you are well-versed with them.
5. Implement GPS functionality as applicable. Add audio and video features wherever applicable.
6. Test the application's functionality and ensure it meets all the requirements.
7. Deploy the application to a local Web server such as XAMPP for testing purposes.

Documentation is considered as a very important part of the project. Ensure that documentation is complete and comprehensive. Documentation should not include any source code.

The consolidated project must be submitted as a zip file containing the source code used for the complete Website. Include a ReadMe file mentioning software used, assumptions made (if any), and test data used.

Submit a video (.mp4 file) demonstrating the working of the Website, including all the functionalities of the project. This is MANDATORY.

Optionally, a live hosted URL can be supplied for the site. Over and above the given specifications, you can apply your creativity and logic to improve the portal.

~~~ End of Document ~~~