SUNSTONE

Software Requirement Specification: Portfolio Website

Portfolio Website

- The purpose of this software is to develop a portfolio website that showcases the user's work, achievements, and skills. This website will be targeted towards college-level students who want to showcase their projects and skills to potential employers or clients. The website will be designed to be visually appealing, user-friendly, and responsive, and will provide a platform for users to showcase their work in a professional manner.

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Introduction

- The purpose of this software is to develop a portfolio website that showcases the user's work, achievements, and skills. This website will be targeted towards college-level students who want to showcase their projects and skills to potential employers or clients. The website will be designed to be visually appealing, user-friendly, and responsive, and will provide a platform for users to showcase their work in a professional manner.

- This SRS document outlines the requirements for the development of the portfolio website. It includes both functional and non-functional requirements, constraints, assumptions, and dependencies. The functional requirements specify what the website should do, while the non-functional requirements specify how the website should behave. The constraints outline the limitations that need to be considered during the development of the website, while the assumptions and dependencies specify what needs to be assumed or depended upon for the successful completion of the project.

- This SRS document is intended to provide a clear understanding of the requirements for the development of the portfolio website. It is aimed at developers, designers, project managers, and stakeholders who are involved in the development of the website. The SRS document will serve as a reference guide throughout the development process to ensure that the final product meets the specified requirements.

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2.

Functional Requirements

- 2.1 User Authentication : The website will require users to create an account to be able to access and manage their portfolios. Users can sign up by providing their name, email address, password, and other necessary information.
- 2.2 Portfolio Creation : Users can create portfolios by adding project details, images, and descriptions. Users can also upload files such as PDFs, videos, and other media to their portfolios.
- 2.3 Portfolio Management: Users can manage their portfolios by editing, deleting, and updating project details, images, and other information.
- 2.4 Search and Filter: The website will provide a search and filter functionality for users to search for portfolios based on keywords, categories, or tags.
- 2.4 Search and Filter: The website will provide a search and filter functionality for users to search for portfolios based on keywords, categories, or tags.
- 2.5 Responsive Design: The website will be designed to be responsive, which means it will be accessible from different devices such as desktops, laptops, tablets, and mobile phones.

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3.

Non Functional Requirements

- 3.1 Security: The website will have strong security measures in place to prevent unauthorized access and data breaches. User data will be encrypted, and proper authentication and authorization protocols will be implemented.
- 3.2 Performance: The website will be designed to be fast and efficient, with minimal loading times and response times.
- 3.3 Usability: The website will be designed to be user-friendly, with a clean and intuitive interface. Users should be able to navigate the website easily and access their portfolios without any difficulty.
- 3.4 Accessibility: The website will be designed to be accessible to all users, including those with disabilities. Proper accessibility measures such as keyboard navigation and screen reader support will be implemented.

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4.

Constraints

- 4.1 Technologies: The website will be developed using HTML, CSS, JavaScript, and a back-end technology such as PHP or Python.
- 4.2 Budget: The project will have a budget constraint and will need to be developed within a certain budget.
- 4.3 Timeline: The project will have a timeline constraint and will need to be completed within a certain time frame.

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5. Assumptions and Dependencies

- 5.1 Assumptions: It is assumed that the users will have basic computer literacy skills and access to a device and internet connection to access the website.

- 5.2 Dependencies: The project will depend on third-party libraries and frameworks for development, such as Bootstrap for the front-end and Laravel for the back-end.

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6. **Platform**

- It will be launched as a Web-based application.

7. **Goals and Scopes**

Goals:
•Showcase the user's work and skills
•Connect the user with potential employers, clients, and collaborators
•Display the user's resume/CV and provide a way for visitors to contact them
•Allow easy management and updates of website content
Scope:

- Multiple pages showcasing the user's portfolio of work
- Page displaying the user's resume/CV
- Contact page with a form for visitors to send messages to the user
- Built using HTML, CSS, and JavaScript
- Hosted on a web server with a domain name
- Admin panel for easy management of website content.

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8.

Deliverables

The deliverables will contain:

- Feature specification
- Product design
- Test plan
- Development document
- Source code

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9. Scheduling

Milestone	Description	Progress
M1	Application view and Design (Front-end development)	2 weeks
M2	Application Development	1 week
M3	Testing and Debbuging	1 week
M4	Documentation and product release	1 week

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10.

Technical Process

Following would be the languages will be used to develop this application:

- Technology Stack : HTML, CSS, PHP, Jquery, JAVASCRIPT.

11.

Conclusion

The portfolio website development project will provide a platform for college-level students to showcase their work, skills, and achievements to potential employers or clients. The website will be designed to be visually appealing, user-friendly, and responsive, with strong security measures in place to protect user data. The project will be developed within a certain budget and timeline, and will depend on third-party libraries and frameworks for development.

GitHub Link

Thank you!