**PORTFOLIO- SOFTWARE REQUIREMENT SPECIFICATIONS**

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1. **INTRODUCTION**

1.1. Purpose

The purpose of this document is to define the software requirements for the development of a portfolio website. This website will showcase the work, skills, and accomplishments of an individual or a company.

1.2. Scope

The portfolio website will serve as an online platform to display the creator's or company's work, promote their skills and expertise, and provide contact information for potential clients or employers.

1. **FUNCTIONAL REQUIREMENTS**

2.1. User Registration and Authentication

Users must be able to create accounts. Registered users can log in securely.

Authentication should include email verification.

2.2. Profile Management

Users can create and edit their profiles. Users can add personal information, such as name, bio, and contact details. The option to upload a profile picture should be available.

2.3 Portfolio Creation and Management

Users can create multiple portfolios. Each portfolio can have a title, description, and a cover image. Users can add projects to their portfolios. Each project can have a title, description, images, and links. Projects should be categorizable and taggable.

2.4 Viewing Portfolios

Visitors can view portfolios without the need for registration or login. Users can share a public link to their portfolio.

2.5 Contact Information

Users can provide contact information, such as email and social media links. A contact form should be available for users to send messages.

2.6 Search and Filter

Visitors can search for portfolios by keywords, categories, or tags. Users can filter their own portfolios and projects.

2.7 Commenting and Feedback

Visitors can leave comments on projects or portfolios. Users can moderate and reply to comments. Users can receive notifications about new comments.

1. **NON-FUNCTIONAL REQUIREMENTS**

3.1. Performance

The website should load quickly and efficiently. It should be responsive and work well on various devices and screen sizes.

3.2 Security

User data, including passwords, must be securely stored and transmitted. Protect against common web vulnerabilities (e.g., SQL injection, XSS).

Implement regular security audits and updates.

3.3 Scalability

The system should be able to handle a growing number of users and portfolios.

3.4 Usability

The website should have an intuitive and user-friendly interface.

Accessibility features should be implemented to ensure inclusivity.

3.5 Backup and Recovery

Regular data backups should be performed. A disaster recovery plan should be in place.

3.6 Legal and Compliance

Ensure compliance with relevant data protection regulations (e.g., GDPR).

Users should agree to terms of service and privacy policy during registration.

1. **CONSTRAINTS**

The website must be developed using a specific technology stack (e.g., HTML/CSS, JavaScript, PHP, MySQL). It should be compatible with modern web browsers.

1. **ASSUMPTIONS AND DEPENDINCIES**

The website will rely on third-party services for features like email verification and social media integration. Hosting and domain registration will be handled separately.

1. **APPENDIX**

6.1 Glossary

List any technical terms or acronyms used in the document.

6.2 References

Provide references to any external documents or resources used in defining the requirements. This SRS document serves as a foundation for the development of the portfolio website. It should be used as a reference by developers, designers, and other stakeholders throughout the project's lifecycle to ensure that the final product meets the specified requirements and objectives.