Software Requirements Specifications

for

Developer Portfolio

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MCA(2022-2024)

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Date:-31/03/2023

Project Title :- Developer Portfolio

1. Purpose

The purpose of developing this "Developer portfolio" is to keep the information of the user.

2. User Authentication and Authorizations

The website should allow users to create an account, login, and logout.

Users should be able to reset their passwords if they forget them.

Users should have different roles such as admin and regular user.

3. Portfolio Pages

The website should allow users to create a portfolio page that showcases their projects, skills, experience, and education.

Each portfolio page should include a brief introduction, relevant images, and links to external resources such as GitHub or LinkedIn.

The website should allow users to edit, delete, and add new portfolio pages.

4. User Profiles

The website should allow users to create a profile that includes their personal information, such as name, email address, phone number, and location.

Users should be able to upload a profile picture and customize their profile page.

Users should be able to view other users' profiles.

5. Search Functionality

The website should allow users to search for other user's portfolio pages based on various criteria such as skills, location, and project type.

The search results should be sorted based on relevance and displayed in a user-friendly manner.

6. Admin Features

The website should allow the admin user to manage user accounts, portfolio pages, and profiles.

The admin user should be able to view user statistics, such as the number of registered users and the number of portfolio pages created.

7. Security

The website should be secure and protect user data from unauthorized access.

The website should use SSL encryption to protect sensitive user data such as passwords and personal information.

8. Responsive Design

The website should be responsive and optimized for various devices such as desktops, tablets, and mobile phones.

The website should have a user-friendly interface and easy navigation.

9. Performance

The website should load quickly and have a high level of performance.

The website should use caching and other optimization techniques to improve page load times.

10. Advantages of developer portfolio:

- **Demonstrates Skills and Abilities:** A developer portfolio serves as evidence of your skills and abilities to potential employers or clients. It showcases your proficiency in programming languages, frameworks, and technologies.

- **Shows Your Creativity:** A portfolio is an excellent opportunity for developers to showcase their creativity and innovation. It shows how you approach problems and come up with solutions.

- **Attracts Potential Employers:** A well-crafted developer portfolio can help you stand out from other applicants and attract potential employers or clients. Employers can quickly get a sense of your experience, capabilities, and work style.

11. Disadvantages of developer portfolio:

- **Time-Consuming:** Creating a developer portfolio can be time-consuming, particularly if you are starting from scratch. It requires gathering information, creating content, and designing the portfolio.

- **Maintenance:** Once you have created a developer portfolio, you need to keep it updated to reflect your most recent work and achievements. This can be time-consuming, particularly if you are working on multiple projects simultaneously.

- **Privacy Concerns:** Including confidential information or proprietary code in your portfolio can be a privacy concern. You need to be careful not to share any sensitive information that could harm you or your employer.

12. Software Interface

This is based on web, and software requirements are as follow:
- HTML
- CSS
- JS

13.Hardware Interfaces

Since this project is based on web, so the hardware requirements is not needed to be up to the marks. A simple internetwork computer device can run the website.

Although, there are some hardware list:

- HDD (Minimum 256 MB)
- RAM (1GB)
- Internet