Requirements Document

Project Title: Portfolio Design and Development

Client: Yijun (Steven) Zhou

Iterations

Note: Red text indicate a change/addition to the requirements

Iteration 1

This document delineates the comprehensive agreed upon (as of **27/08/2023**) requirements for designing and developing an ePortfolio website for Yijun (Steven) Zhou. Steven is a computer science graduate who possesses fundamental programming skills across various languages, a sound understanding of core computer science and software engineering concepts, and a motivation to continue learning whilst in pursuit of a software engineering role.

Steven enjoys continuous learning which is evident by the certifications he has received and trained for in his personal time. As a recent graduate who is eager to embark on a full-time career, Steven is considering a few options. These include applying for front-end developer positions, or back-end roles where he can put to use the algorithmic knowledge that he has been passionate to learn about during his coursework.

Overview:

It is essential that the portfolio is versatile and reflective of his expansive skill set as well as his character. Hence, the portfolio should incorporate an administrative function that allows for the addition and update of data. This will ensure that Steven continuously updates his portfolio to showcase his most recent accomplishments and stay relevant in the dynamic job market.

The portfolio's design should be unique, not just in its aesthetic appeal but also in its ability to effectively highlight the professional's talent. The intention is to provide a digital platform that will serve as a comprehensive career showcase for the professional, encompassing his professional experience, academic history, and current skill set. It is essential that the portfolio resonates with her personal brand while also appealing to a broad spectrum of potential employers in the industry.

Functional Requirements:

- **User Interface Design:** The portfolio should boast an intuitive and aesthetically pleasing interface. Given Steven's expertise in the IT field, the design should be modern and incorporate elements synonymous with computer science and IT. The portfolio should feel professional yet reflective of the individual's personal style and professional identity. Steven has emphasised the importance of integrating a UI design that employs colour schemes of a lighter nature, as darker shades are perceived to diminish visual engagement.
- **The portfolio should include:**
  - A detailed view of the academic's work history, education, skills, certifications and any awards or peer recommendations.
  - A section that provides a brief introduction about themselves.
  - A list of all personal projects conducted by the individual, with links to access the work if available.
  - The ePortfolio should provide a contact form for visitors to send messages, as well as other contact information like professional social media profiles, etc.
  - The website should include a search function that allows users to easily locate information within the portfolio.

- The website should be responsive, ensuring good usability and viewing experience on all devices including desktops, laptops, tablets, and mobile phones.
- The portfolio should comply with all necessary accessibility guidelines, ensuring that users with disabilities can interact with the website effectively.
- The ePortfolio should include an editable workspace where Steven can easily navigate to update his ePortfolio at any time.
  - The editable workspace should include its own dedicated page as well as login.

Non-Functional Requirements:

- **Performance:** The portfolio website should load quickly, with no long delays in content rendering.
- **Security:** The portfolio website should adhere to best security practices to protect against potential threats.
- **Maintenance and Updates:** The website should be easy to update and maintain.

Iteration 2

This document delineates the comprehensive agreed upon (as of **21/09/2023**) requirements for designing and developing an ePortfolio website for Yijun (Steven) Zhou. Steven is a computer science graduate who possesses fundamental programming skills across various languages, a sound understanding of core computer science and software engineering concepts, and a motivation to continue learning whilst in pursuit of a software engineering role.

Steven enjoys continuous learning which is evident by the certifications he has received and trained for in his personal time. As a recent graduate who is eager to embark on a full-time career, Steven is considering a few options. These include applying for front-end developer positions, or back-end roles where he can put to use the algorithmic knowledge that he has been passionate to learn about during his coursework.

Overview:

It is essential that the portfolio is versatile and reflective of his expansive skill set as well as his character. Hence, the portfolio should incorporate an administrative function that allows for the addition and update of data. This will ensure that Steven continuously updates his portfolio to showcase his most recent accomplishments and stay relevant in the dynamic job market.

The portfolio's design should be unique, not just in its aesthetic appeal but also in its ability to effectively highlight the professional's talent. The intention is to provide a digital platform that will serve as a comprehensive career showcase for the professional, encompassing his professional experience, academic history, and current skill set. It is essential that the portfolio resonates with her personal brand while also appealing to a broad spectrum of potential employers in the industry.

Functional Requirements:

- **User Interface Design:** The portfolio should boast an intuitive and aesthetically pleasing interface. Given Steven's expertise in the IT field, the design should be modern and incorporate elements synonymous with computer science and IT. The portfolio should feel professional yet reflective of the individual's personal style and professional identity. Steven has emphasised the importance of integrating a UI design that employs colour schemes of a lighter nature, as darker shades are perceived to diminish visual engagement.
- **The portfolio should include:**
  - A detailed view of the academic's work history, education, skills, certifications and any awards or peer recommendations.
  - A section that provides a brief introduction about themselves.
  - A list of all personal projects conducted by the individual, with links to access the work if available.
  - The ePortfolio should provide a contact form for visitors to send messages, as well as other contact information like professional social media profiles, etc.
  - The website should include a search function that allows users to easily locate information within the portfolio.

- The website should be responsive, ensuring good usability and viewing experience on all devices including desktops, laptops, tablets, and mobile phones.
- The portfolio should comply with all necessary accessibility guidelines, ensuring that users with disabilities can interact with the website effectively.
- The ePortfolio should include an editable workspace where Steven can easily navigate to update his ePortfolio at any time.
  - The editable workspace should include its own dedicated page as well as login.
- The ePortfolio should include default text and imagery already displaying on the public view during product handover.

Non-Functional Requirements:

- **Performance:** The portfolio website should load quickly, with no long delays in content rendering.
- **Security:** The portfolio website should adhere to best security practices to protect against potential threats.
- **Maintenance and Updates:** The website should be easy to update and maintain.