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Batch-B9

# Software Requirements Specification (SRS)

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## 1. Introduction

### 1.1 Purpose

The purpose of this document is to define the requirements for the development of a website for creating, deleting, adding, and removing Ninja-based NFTs (Non-Fungible Tokens) images. This beginner-level college project aims to provide a platform for users to engage with Ninja-themed digital art in the form of NFTs.

### 1.2 Scope

The website will allow users to interact with Ninja-themed digital images, creating new ones, deleting existing ones, adding new images, and removing ones they own. It will serve as a learning project for college-level students without hosting or advanced website functionalities.

### 1.3 Definitions, Acronyms, and Abbreviations

* **SRS:** Software Requirements Specification
* **NFTs:** Non-Fungible Tokens

## 2. Overall Description

### 2.1 Product Perspective

The website for creating, deleting, adding, and removing Ninja-based NFTs images will operate as a standalone web application. It will be a beginner-level project without complex hosting requirements.

### 2.2 Product Functions

* **NFT Creation:** Users can create new Ninja-themed NFTs by selecting or generating images.
* **NFT Deletion:** Users can delete NFTs they own from their account.
* **Image Addition:** Admins can add new Ninja-themed images to the website's collection.
* **Image Removal:** Admins can remove existing images from the website's collection.

### 2.3 User Characteristics

The target users of the website include college-level students interested in learning web development and basic blockchain concepts. Users should have basic familiarity with web browsing and image manipulation.

## 3. Specific Requirements

### 3.1 Functional Requirements

* **NFT Creation Interface:** Provide a user-friendly interface for creating new Ninja-based NFTs.
* **NFT Deletion Interface:** Allow users to delete NFTs they own.
* **Image Addition Interface:** Provide an admin interface for adding new Ninja-themed images.
* **Image Removal Interface:** Provide an admin interface for removing existing images.

### 3.2 Non-functional Requirements

* **Performance:** The application should respond to user interactions within a reasonable time frame.
* **Reliability:** Ensure the application functions without critical errors or crashes.
* **Usability:** The UI should be intuitive and easy to navigate for users and admins.
* **Compatibility:** Ensure compatibility with major web browsers for both desktop and mobile devices.

## 4. User Interfaces

### 4.1 NFT Creation Interface

* Provide a simple interface for users to select or generate Ninja-themed images for their NFTs.

### 4.2 NFT Deletion Interface

* Allow users to manage and delete NFTs they own from their account.

### 4.3 Admin Interfaces

* Provide separate interfaces for admin tasks such as image addition and removal.

## 5. System Interfaces

* Utilize basic web development technologies such as HTML, CSS, and JavaScript.
* No external APIs or databases are required for this project.

## 6. References

* Online tutorials and resources for web development.
* College-level web development courses and materials.