Software Requirements Specification (SRS)

Project Name: **SiteOps Manager**

# 1. Introduction

## 1.1 Purpose

SiteOps Manager is a centralized web application designed to streamline the management and maintenance of multiple client websites. The tool enables secure storage of site details, credentials, communication logs, and task tracking — with granular role-based access for team members.

## 1.2 Scope

The platform supports:  
- Site metadata management  
- Secure credential storage  
- Ticket/task tracking  
- Communication history logging  
- Role-based access control  
- Notifications and reminders (future feature)  
- Optional site uptime monitoring (future scope)

# 2. Overall Description

## 2.1 Product Perspective

A custom-built internal tool for teams managing dozens of websites.

## 2.2 User Roles & Permissions

• Super Admin: Full access to all features, credentials, user management, audit logs  
• Admin: Add/edit sites, view credentials, assign users  
• Client: Read-only access to site info and progress for their own projects

# 3. Functional Requirements

• Authentication: Secure login using JWT  
• Role Management: Role-based access using middleware  
• Site Management: Add/edit/remove websites with URL, status, platform, etc.  
• Credentials: Store encrypted credentials, viewable only by Admin/Super Admin  
• Ticket Logs: Create, assign, update tasks/tickets  
• Expiry Tracker: Track SSL and hosting expiry dates  
• Dashboard: Visual summary of sites, status, tasks

# 4. Non-Functional Requirements

• Encryption for credentials  
• Responsive UI (React + Tailwind CSS)  
• Secure password hashing (bcrypt)  
• Fast RESTful API

# 5. Tech Stack

Frontend: React.js + Tailwind CSS  
Backend: Node.js  
Database: MongoDB with Mongoose  
Authentication: JWT  
Copilot: Used for faster development and code suggestions