

# **Software Requirements Specification (SRS) for Art Gallery**

## **1. Introduction**

### **1.1 Purpose**

The purpose of this document is to define the requirements for the development of the Art Gallery Project, which aims to provide users with access to a curated collection of artworks retrieved from a designated API.

### **1.2 Scope**

The project includes a web-based platform where users can register, log in, browse artworks, view detailed information about artworks, and interact with the API to retrieve art-related data.

## **2. System Description**

### **2.1 System Overview**

Creating an art gallery with an API using React involves combining the power of React for building a dynamic user interface with an API to fetch and display artworks. Below is a description of the key components and functionalities you might find in such a project.

### **2.2 System Features**

- Responsive Design
- User Authentication and Authorization

## **3. Functional Requirements**

### **3.1 User Authentication and Authorization**

Implement user authentication to allow users to create accounts, log in, and access personalized features like favoriting artworks.

## **3.2 Comments and Ratings**

Enable users to leave comments and ratings on artworks, fostering engagement and discussion

## **4. Non-Functional Requirements**

### **4.1 Security**

- Implement encryption protocols for data protection.
- Ensure secure authentication and authorization mechanisms.

### **4.2 Performance**

- System should handle concurrent user requests efficiently.
- Response times should be within acceptable limits.

### **4.3 Usability**

- Intuitive user interface with easy navigation.
- Responsive design for various devices.

## **5. Constraints**

- System should be compatible with modern web browsers.
- React are the preferred technologies.