

# Submission Portal API Documentation

## Introduction

This document provides a comprehensive overview of the Submission Portal API, detailing endpoints for user operations, including user registration, login, assignment management, and administrative controls. The API is secured using JWT-based authentication and utilizes Spring Boot and MongoDB.

## Table of Contents

1. Authentication and Authorization
2. Endpoints Overview
3. User Endpoints
4. Admin Endpoints
5. Security Configuration
6. How to Test Using Postman

## Authentication and Authorization

The API uses JWT-based authentication:

### - Public Endpoints:

- /api/users/register
- /api/users/login
- /api/admin/register
- /api/admin/login

### - Protected Endpoints:

- User endpoints (e.g., /api/users/upload-assignment) require the USER role.
- Admin endpoints (e.g., /api/admin/assignments) require the ADMIN role.

JWT tokens must be included in the Authorization header for all protected endpoints:

Authorization: Bearer <your\_jwt\_token>

## Endpoints Overview

### User Endpoints

POST	/api/users/register	Register a new user	No
POST	/api/users/login	Log in as a user and receive a JWT	No
POST	/api/users/upload-assignment	Upload an assignment	Yes (USER role)
GET	/api/users/assignments	Retrieve assignments of the user	Yes (USER role)

### Admin Endpoints

POST	/api/admin/register	Register a new admin	No
POST	/api/admin/login	Log in as an admin	No
GET	/api/admin/assignments	View all assignments	Yes (ADMIN role)
PUT	/api/admin/assignments/accept/{id}	Accept an assignment	Yes (ADMIN role)
PUT	/api/admin/assignments/reject/{id}	Reject an assignment	Yes (ADMIN role)

## How to Test Using Postman

### 1. Register a User/Admin:

Send a POST request to /api/users/register or /api/admin/register.

### 2. Log In:

Send a POST request to /api/users/login or /api/admin/login to receive a JWT token.

### 3. Access Protected Endpoints:

Use the JWT token in the Authorization header to access endpoints such as

/api/users/upload-assignment or /api/admin/assignments.