Book Management Web App

## 1. Test Plan Summary

This test plan describes the testing approach for the REST API endpoints of the Book Management system. It focuses on validating endpoint behavior, input handling, response codes, and data consistency.

## 2. Scope

- GET /api/books  
- GET /api/books/{id}  
- POST /api/books  
- PUT /api/books/{id}  
- DELETE /api/books/{id}  
- Similar endpoints for users and borrow requests

## 3. Tools

Postman, REST Client, RestSharp

## 4. Test Scenarios

- GET returns correct data with 200 OK  
- PUT with valid data updates record, returns 200/204  
- PUT with invalid data returns 400 Bad Request  
- DELETE removes record and returns 204 No Content  
- GET by invalid ID returns 404 Not Found

## 5. Validation Criteria

- HTTP status codes  
- Response body content and structure  
- Input validation and error messages  
- Data consistency in DB (if accessible)

## 6. Risks & Assumptions

- API documentation is assumed to be accurate  
- API should follow REST conventions  
- Test environment should have sample data