

Software Requirement Specification

1. User SignUp :

Requirement 1	User SignUp
Description	<ol style="list-style-type: none">1. Users must need to SignUp with their first name, Last name, email , password and have to mention their role.2. Users can't sign up with existing email into the system.3. Users' passwords can't be plain text.4. The user can choose his/role as ADMIN or USER.5. The system will have only one ADMIN.6. Users have to fill all the fields with the proper format.7. Status code will be 201.
Stakeholder	User, Admin

2. User Login :

Requirement 2	User Login
Description	<ol style="list-style-type: none">1. Users will get an authorization or JWT token with valid credentials.2. By invalid email or password users can't have access to the system.3. Users have to sign in with valid email and password.4. When the user will login to the system successfully, the previous token will expire.5. Status code will be 200.

Stakeholder	User, Admin
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3.SearchBook :

Requirement 3	Search Books
Description	<ol style="list-style-type: none"> 1. Users can search books from the list by the Book Name. 2. Spelling mistakes or some partial name matches will support the Search function. 3. It will be open for every user, but users have to login to the system. Authentication needed, but authorization not needed. 4. Status code will be 200.
Stakeholder	Users , Admins

4.SeeBookList :

Requirement 4	See Book list
Description	<ol style="list-style-type: none"> 1. Users can See the full book list with the book name and the author name. 2. Users with valid and non-expired tokens, can see all book details of the system. 3. Any kind of user can see the book list, but users have to be authenticated. 4. Status code will be 200.
Stakeholder	Users , Admins

5.CreateBook :

Requirement 5	Create Books
Description	<ol style="list-style-type: none"> 1. Only the user role "ADMIN" can Create books by the Book Name and the Author Name. 2. Authorization token needed. 3. Users have to fill "Book name" and "Author name" to make requests for this API, but any other fields can be acceptable by system. 4. Status code will be 201
Stakeholder	Admins

6.UpdateBook :

Requirement 6	Update Books
Description	<ol style="list-style-type: none"> 1. Only the user role "ADMIN" can Update book information by giving the book id. 2. Authorization token needed and also the user must have to login to the system, first. 3. Users can update information by only the book name.
Stakeholder	Admins

7.DeleteBook :

Requirement 7	Delete Books
Description	<ol style="list-style-type: none">1. Only the user with the role "ADMIN" can Delete book information by giving the Book ID.2. Authorization token needed.3. If another user with the role "USER" wants to hit this API, the system will make a response that he has no permission/authorization to do this act.4. By this api -- system will delete all information about the book by the book id.5. Response or status code will be 204.
Stakeholder	Admins