



### **API Coding Challenge(Duration: 3 hours)**

1.Create a RESTful API using Spring Boot that manages a collection of books. Each book should have the following attributes:

- Title
- Author
- ISBN (International Standard Book Number)
- Publication Year

The API should support the following operations:

- Retrieve all books.
- Retrieve a single book by its ISBN.
- Add a new book.
- Update an existing book.
- Delete a book by its ISBN.

2. Add login using JWT Authentication

3. Add unit tests to test the api

#### **Requirements:**

- Use Spring Boot/Enity Framework/Django/Express JS for building the REST API.
- Utilize a database to store book data.
- Implement proper error handling and validation for input data.
- Use appropriate HTTP methods (GET, POST, PUT, DELETE) for each operation.
- Test the API with postman functionality of the API endpoints.
- Use JWT auth for login