Book Lending API

**Implement an API (no frontend required) that has simple functionalities like:**

● Search, List, Create, Update, or Delete a Book through the API

● Create, Update a user

● Borrow an available book using a credit card between two dates

**Models that can be used:** (Feel free to implement as you want. These are only for reminding

the structure)

Book: isbn, author, title, daily cost etc.

User: mail, password, active status etc.

Payment Logs: user details and credit card details

**You can use the following technologies:**

● Java 1.8 or greater, NodeJS, Go, or Kotlin for programming language

● Use well-known frameworks

● Postgresql, Mysql, Couchbase, Redis or Elasticsearch for data storage

**You should be aware of the following conventions while you are working on this exercise:**

● Publish a running project

● The project is divided into three tasks, commit each task separately as you work at different

times

● Apply SOLID and OOP principles

● Document your project for a developer

● Handle exceptions for resilient web service

● Test Driven Development is a good choice, but it's up to you how you are testing your code.

● Nice to have: Dockerize your project

You should commit to a local git repository and include the git repository (.git/) in the upload.

NOTE: Please DO NOT publish the project on Github, Gitlab, etc. We will provide a private gitlab

repository for you and we expect you to push your changes to that private repository or send

your workspace folder as compressed.

**You can commit step by step like:**

● Running simple web project

● Service implementations and tests

● Dockerized deployment and migrations etc.