SpringBoot- REST

Problem statement1

Develop a SpringBoot Application for "**Library Management**" using   REST with following functional requirements.

- A book library   – Creating a collection library in the database.
- A library where we will be storing the books by author
- A user can call the REST API to retrieve the book by author
- A user can call the REST API to retrieve all the books from the library

- POST   – /v1/mongodbapp/books   – To add a book to library
- GET   – /v1/mongodbapp/books   – To retrieve all the books from the library
- GET   – /v1/mongodbapp/books/id   – To retrieve a specific book
- DELETE   – /v1/mongodbapp/books/id   – To remove a book from the library

Problem Statement 2

Create Spring Boot Rest Application and perform CRUD operations for a Tutorial application.

- Each Tutorial has id, title, description, published status.
- Apis help to create, retrieve, update, delete Tutorials.
- Apis also support custom finder methods such as find by published status or by title.

Methods	Urls	Actions
POST	/api/tutorials	create new Tutorial
GET	/api/tutorials	retrieve all Tutorials
GET	/api/tutorials/:id	retrieve a Tutorial by :id
PUT	/api/tutorials/:id	update a Tutorial by :id
DELETE	/api/tutorials/:id	delete a Tutorial by :id
DELETE	/api/tutorials	delete all Tutorials
GET	/api/tutorials/published	find all published Tutorials
GET	/api/tutorials?title=[keyword]	find all Tutorials which title contains keyword

– Perform CRUD operations and create finder methods using Spring Data MongoDB.

– Rest Controller will be created with the help of Spring Web MVC.