

Spring Boot Mini Project

Sunday, November 8, 2020

1:35 AM

1. Create Restful Services

Entities

1. Author

int id [PK]
String name
String biography
List<Book> books
String photograph

2. Book

String isbn [PK]
String title
Author author
String description
String tag
String cover
List<Review> reviews

3. Review

int id [PK]
Book book
String reviewer
String review
int rating [1-5]

Operation

Service should offer following endpoints for each service

Entity	METHOD	URL	Task
Author		/api/authors	Common for all Author related URL
	GET	/	List of all authors
	POST	/	Create an Author
	GET	/id	Author by id
	GET	/id/books	All books by current author
	PUT	/id	Update Author
	DELETE	/id	Delete author
BOOK		/api/books	Common route for all book related URL
	GET	/	List all books

	POST	/	Create new book
	GET	/isbn	Book by isbn
	PUT	/isbn	Update book
	DELETE	/isbn	Delete book
	GET	/by/{author-name}	Get book by matching author name part
	GET	/price/between/{min}/and/{max}	Get book in price range
	GET	/isbn/reviews	Get all reviews for the given isbn
REVIEW		/api/reviews	Base url for all review routes
	GET	/	Get all reviews
	POST	/isbn	ADD NEW REVIEW FOR GIVEN BOOK
	GET	/isbn	Get all reviews for given isbn
	GET	/rating-between/{min}/and/{max}	Get All reviews in min-max range
	GET	/isbn/average-rating	Return the average rating
	GET	/containing/{text}	Get all reviews containing text

- Implement the complete application using
 - Spring Boot
 - Spring JPA
 - Spring REST