Post Resource REST APIs

By Ramesh Fadatare (Java Guides)

Blog App REST APIs
REST APIs for Post Resource

HTTP Method	URL Path	Status Code	Description
GET	/api/posts	200 (OK)	Get all posts
GET	/api/posts/{id}	200 (OK)	Get post by Id
POST	/api/posts	201 (Created)	Create a new post
PUT	/api/posts/{id}	200 (OK)	Update existing post with Id
DELETE	/api/posts/{id}	200 (OK)	Delete post by Id
GET	/api/posts?pageSize=5&pageNo=1&sortBy=firstName	200 (OK)	Paginating and sorting posts

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```java
@RestController
@RequestMapping("/api/posts")
public class PostController {

    private PostService postService;

    public PostController(PostService postService) {
        this.postService = postService;
    }

    // create blog post rest api
    @PostMapping
    public ResponseEntity<PostDto> createPost(@RequestBody PostDto postDto){
        return new ResponseEntity<>(postService.createPost(postDto), HttpStatus.CREATED);
    }
}
```

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@RequestMapping("/api/posts")
public class PostController {

    private PostService postService;

    public PostController(PostService postService) {
        this.postService = postService;
    }

    // get all posts rest api
    @GetMapping
    public List<PostDto> getAllPosts(){
        return postService.getAllPosts();
    }
}
```

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@RequestMapping("/api/posts")
public class PostController {

    private PostService postService;

    public PostController(PostService postService) {
        this.postService = postService;
    }
    // get post by id
    @GetMapping("/{id}")
    public ResponseEntity<PostDto> getPostById(@PathVariable(name = "id") long id){
        return ResponseEntity.ok(postService.getPostById(id));
    }
}
```

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@RestController
@RequestMapping("/api/posts")
public class PostController {

    private PostService postService;

    public PostController(PostService postService) {
        this.postService = postService;
    }

    // update post by id rest api
    @PutMapping("/{id}")
    public ResponseEntity<PostDto> updatePost(@RequestBody PostDto postDto, @PathVariable(name = "id") long id){

        PostDto postResponse = postService.updatePost(postDto, id);

        return new ResponseEntity<>(postResponse, HttpStatus.OK);
    }
}
```

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@RequestMapping("/api/posts")
public class PostController {

    private PostService postService;

    public PostController(PostService postService) {
        this.postService = postService;
    }

    // delete post rest api
    @DeleteMapping("/{id}")
    public ResponseEntity<String> deletePost(@PathVariable(name = "id") long id){

        postService.deletePostById(id);

        return new ResponseEntity<>( body: "Post entity deleted successfully.", HttpStatus.OK);
    }
}
```