**Blog post Application in Spring Boot with MongoDB**

IDE setup:

Java 21   
IntellJ Latest  
Maven 3.6.3  
MongoDB Local/Atlas setup  
GitHub Account (Private)

**Collection name: Blogs**Document Name:

Posts  
String id;

String title;

String summary;

LocalDate date;

String url;

String content;

List<Tag> tags;

String userEmail;

String userName

**In Java Model Class:** Post.java  
private String id;

private String title;

private String summary;

private LocalDate date;

private String url;

private String content;

private List<Tag> tags;

private String userEmail;

private String username;

**Service Class**  
@Service  
getpostById(String Id)

getPostByEmail(String email);

fetchPostByTags(String tag);

fetchPostbyRetentionDate(int days)// like last 15 days or 30 days post

savePost(Post request);

updatePost(Post request);

deletePost(String id);  
deletePostByEmail (String email); To delete all post by author

**Controller**  
@RestController

PostController.java

@GetMapping(“/{id})

getPostById(String Id);

@GetMapping(“/{email})

getPostByUserEmail(String email);

@GetMapping(“/{tags}”)

fetchPostByTags(String tag);

@GetMapping(“/{days}”)  
fetchPostbyRetentionDate (int days);

@PostMapping(“/post”)

savePost(Post request);

@PutMapping(“/Post”)

updatePost(Post request);

@DeleteMapping(“/{id}”)

deletePost(String id);

@DeleteMapping(“/{email}”)  
deletePostByEmail(String email); To delete all post by author

**Repository**

**@Repository  
PostRepository.java**

@Query(….)

getPostByEmail(String email);

@Query(….)

fetchPostByTags(String tag);

fetchPostbyRetentionDate(int days)// like last 15 days or 30 days post  
deletePostByEmail (String email); To delete all post by author