

Assignment - Web Blog App

❖ **Features - Web Blog app provides features such as:**

1. Register Blogger user with credentials such as username, email and password.
2. Login Blogger user with registration credentials.
3. Write a blog after login successful.
4. Display Blog.
5. Display list of blogs
6. Edit Blog.
7. Delete Blog

❖ **Technology Stack Used:**

1. Back End:

- a. Java – Used Java as a main technology
- b. Spring Boot - Used to implement REST API
- c. Spring Security & JWT – Used to secure REST API
- d. Hibernate using JPA
- e. Maven – Used as a build tool

2. Front End:

- a. Angular
- b. HTML
- c. CSS

❖ **UI Screenshots:**

POC Document

1. Main Page:

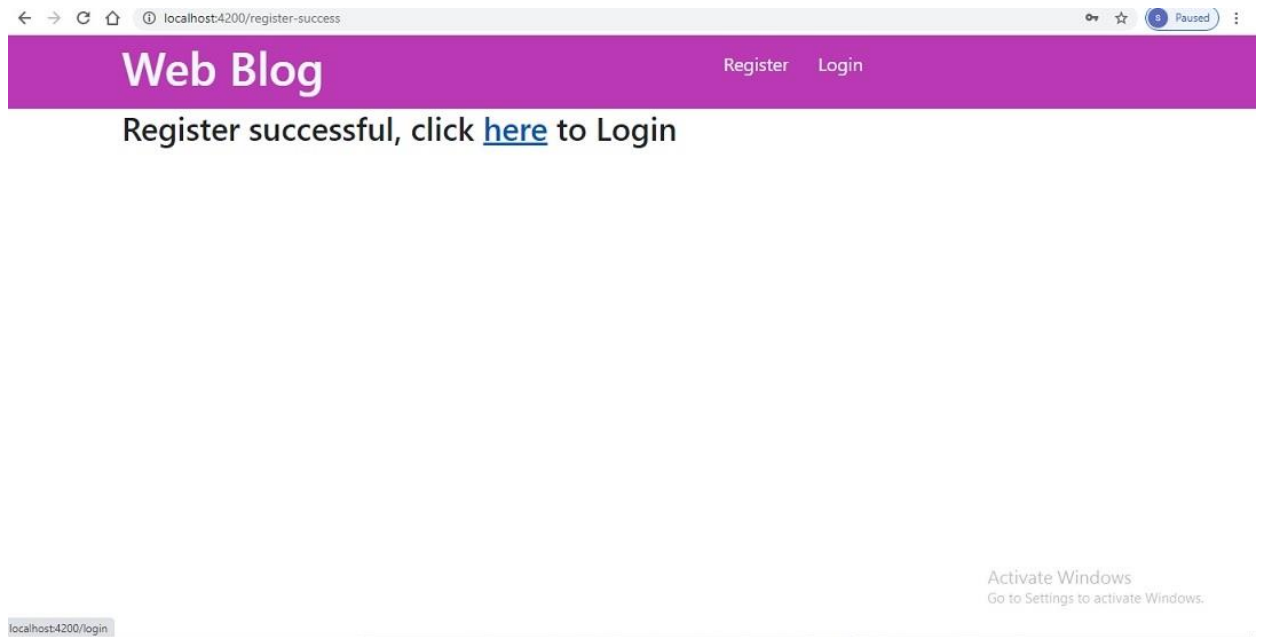


2. Register Page:

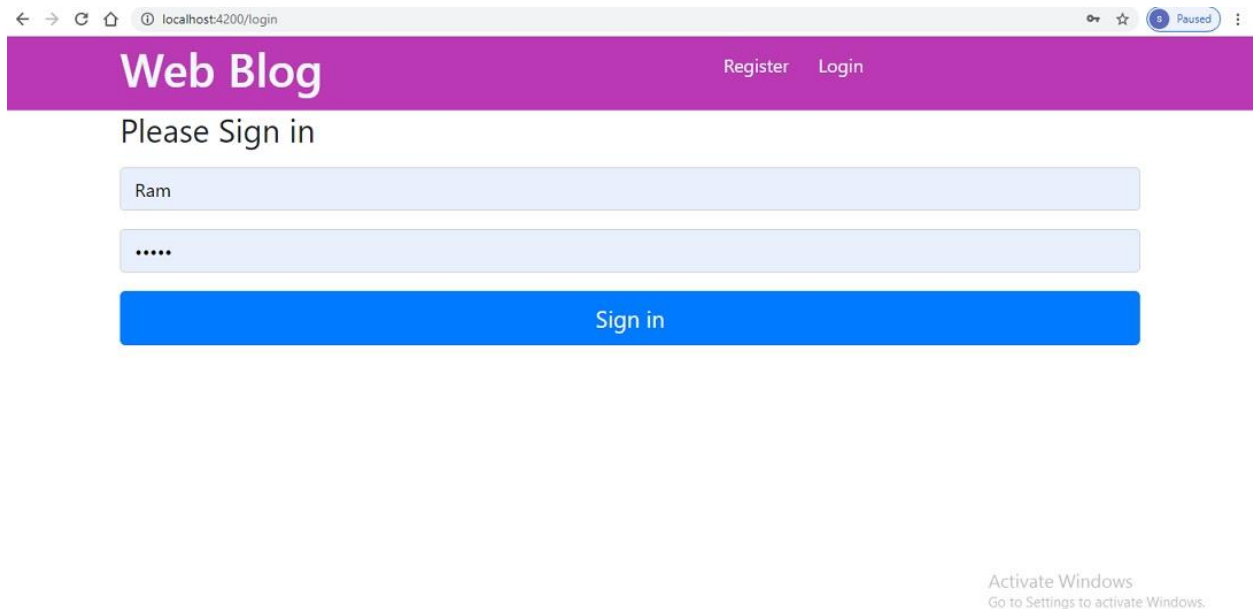
A screenshot of the 'Web Blog' register page. The browser's address bar shows 'localhost:4200/register'. The purple header contains 'Web Blog', 'Register', and 'Login'. Below the header, the text 'Please Register' is displayed. There are four input fields: the first contains 'Ram', the second contains 'test@gmail.com', the third contains four dots, and the fourth contains four dots and a cursor. A blue 'Sign up' button is at the bottom. An 'Activate Windows' watermark is in the bottom right corner.

POC Document

3. Registration Success Page:

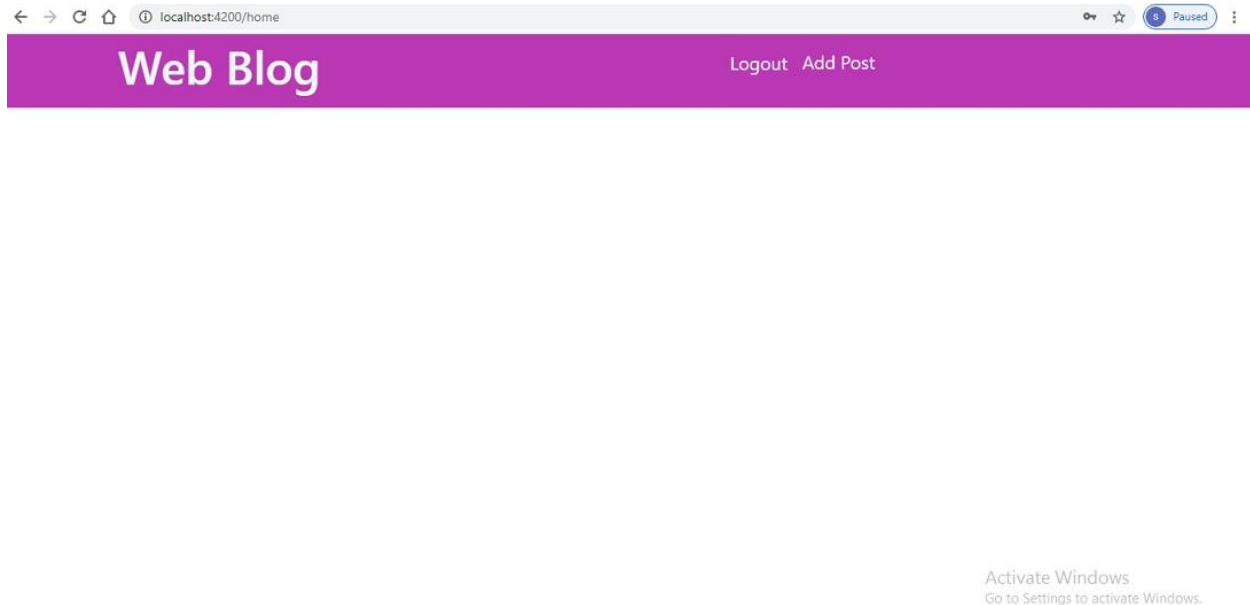


4. Login Page



POC Document

5. Add blog post:

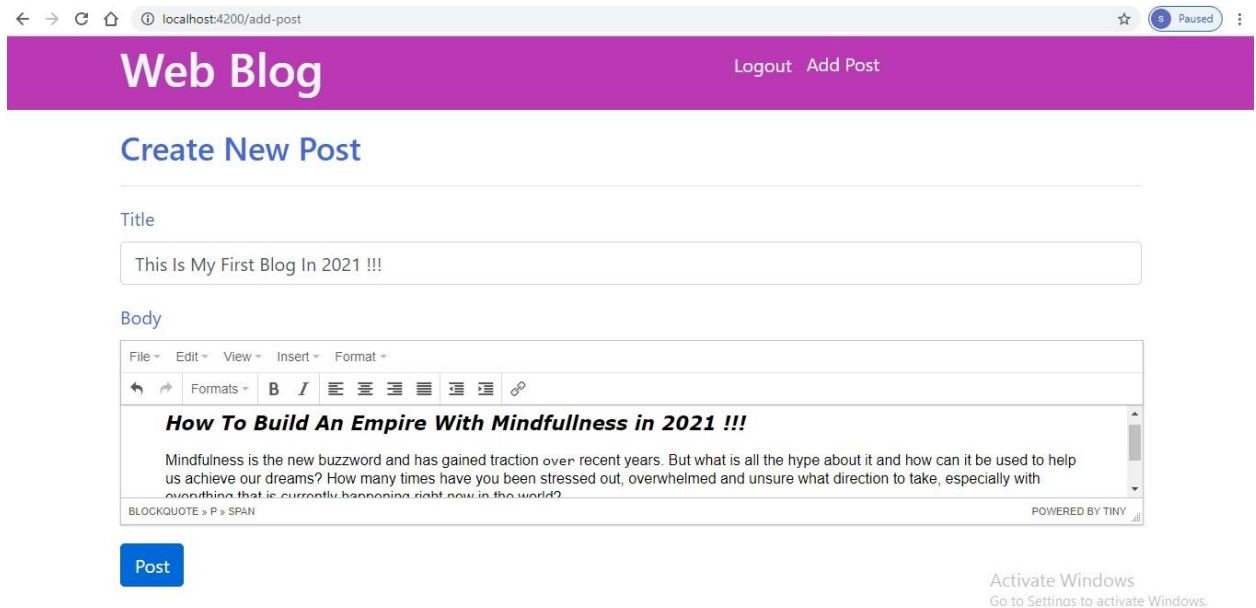


6. Backend Log after login :

```
Hibernate: drop table if exists post
Hibernate: drop table if exists user
Hibernate: create table post (id bigint not null auto-increment, content longtext, created_on datetime, title varchar(255), updated_on datetime, username varchar(255), primary key (id))
Hibernate: create table user (id bigint not null auto-increment, email varchar(255), password varchar(255), user_name varchar(255), primary key (id)) engine=MyISAM
2021-01-20 17:26:28.312 INFO 13292 --- [main] o.h.t.schema.internal.SchemaCreatorImpl : HHH000476: Executing import script 'org.hibernate.tool.schema.internal.exec.ScriptSo
2021-01-20 17:26:28.318 INFO 13292 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2021-01-20 17:26:32.142 INFO 13292 --- [main] o.s.s.web.DefaultSecurityFilterChain : Creating filter chain: Ant [pattern='/**', OPTIONS], []
2021-01-20 17:26:32.268 INFO 13292 --- [main] o.s.s.web.DefaultSecurityFilterChain : Creating filter chain: any request, [org.springframework.security.web.context.request
2021-01-20 17:26:32.416 WARN 13292 --- [main] aWebConfiguration$JpaWebMvcConfiguration : spring.jpa.open-in-view is enabled by default. Therefore, database queries may be pe
2021-01-20 17:26:34.181 INFO 13292 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2021-01-20 17:26:34.121 INFO 13292 --- [main] com.app.blog.Application : Started Application in 40.363 seconds (JVM running for 51.738)
2021-01-20 17:27:20.432 INFO 13292 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
2021-01-20 17:27:20.433 INFO 13292 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2021-01-20 17:27:20.518 INFO 13292 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 85 ms
2021-01-20 17:27:21.026 INFO 13292 --- [nio-8080-exec-1] o.h.h.i.QueryTranslatorFactoryInitiator : HHH000397: Using ASTQueryTranslatorFactory
Hibernate: select post0_.id as id1_0_, post0_.content as content2_0_, post0_.created_on as created3_0_, post0_.title as title4_0_, post0_.updated_on as updated5_0_, post0_.username as
Hibernate: insert into user (email, password, user_name) values (?, ?, ?)
Hibernate: select user0_.id as id1_1_, user0_.email as email2_1_, user0_.password as password3_1_, user0_.user_name as user_name4_1_ from user user0_ where user0_.user_name=?
Hibernate: select user0_.id as id1_1_, user0_.email as email2_1_, user0_.password as password3_1_, user0_.user_name as user_name4_1_ from user user0_ where user0_.user_name=?
Hibernate: select post0_.id as id1_0_, post0_.content as content2_0_, post0_.created_on as created3_0_, post0_.title as title4_0_, post0_.updated_on as updated5_0_, post0_.username as
```

POC Document

7. Create New Blog:



The screenshot shows a web browser window with the address bar at `localhost:4200/add-post`. The page has a purple header with the text "Web Blog" and links for "Logout" and "Add Post". Below the header, the title "Create New Post" is displayed. The form consists of a "Title" field containing the text "This Is My First Blog In 2021 !!!" and a "Body" field. The "Body" field is a rich text editor with a toolbar showing options like "File", "Edit", "View", "Insert", and "Format". The body text is "How To Build An Empire With Mindfulness in 2021 !!!" followed by a paragraph: "Mindfulness is the new buzzword and has gained traction over recent years. But what is all the hype about it and how can it be used to help us achieve our dreams? How many times have you been stressed out, overwhelmed and unsure what direction to take, especially with everything that is currently happening right now in the world?". A "Post" button is located below the body field. In the bottom right corner, there is a watermark that says "Activate Windows Go to Settings to activate Windows." and "POWERED BY TINY".

8. Post Single Blog:



The screenshot shows a web browser window with the address bar at `localhost:4200`. The page has a purple header with the text "Web Blog" and links for "Logout" and "Add Post". Below the header, the title "This Is My First Blog In 2021 !!!" is displayed. Below the title, the author "Author: Ram" is listed. The main content is the blog post "How To Build An Empire With Mindfulness in 2021 !!!" followed by a paragraph: "Mindfulness is the new buzzword and has gained traction over recent years. But what is all the hype about it and how can it be used to help us achieve our dreams? How many times have you been stressed out, overwhelmed and unsure what direction to take, especially with everything that is currently happening right now in the world?". Below the paragraph, there is a reference link: "REF : www.testurl.com/web-blog2021.html". A "Read More" link is located below the reference link. In the bottom right corner, there is a watermark that says "Activate Windows Go to Settings to activate Windows."

9. Post Multiple blogs:



10. Old blogs before Login:



POC Document

❖ DB Screenshots:

1. MySQLdatabase:



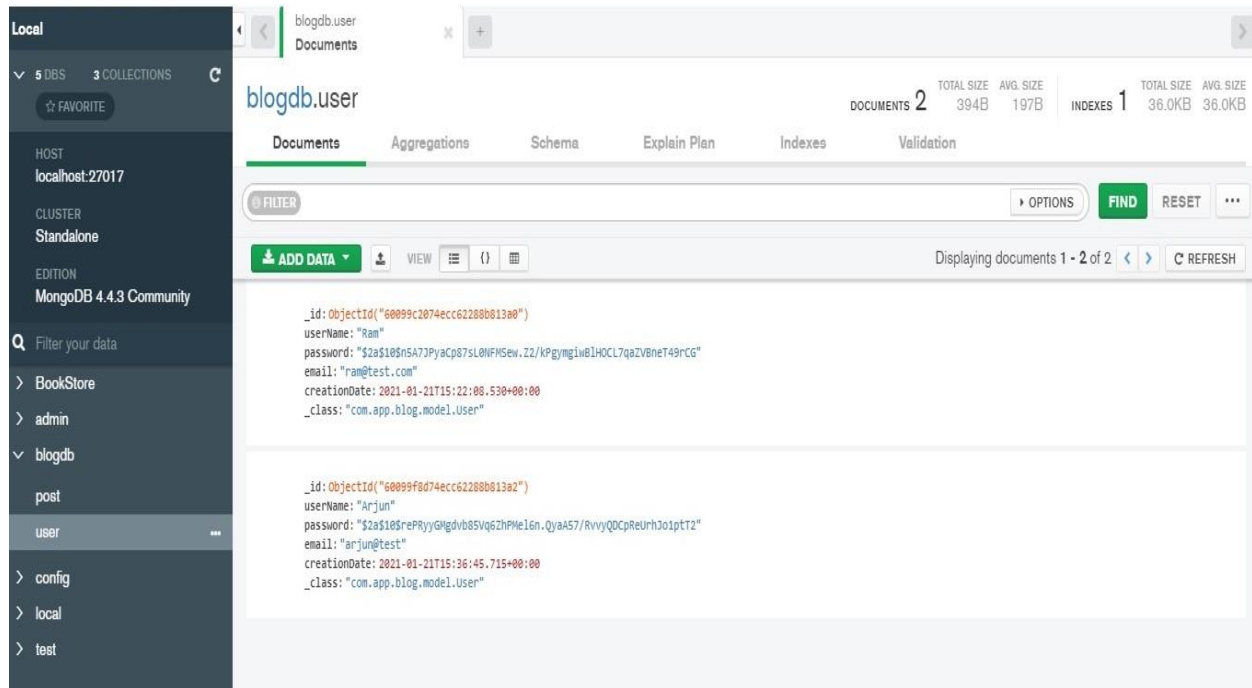
mydb	
blogdb	32.0 KiB
post	16.0 KiB
user	16.0 KiB

2. User Table : MySQL



blogdb.user: 1 rows total (approximately) >> Next			
id	email	password	user_name
1	ram@gmail.com	\$2a\$10\$4x8gDz26n7Kmx20FgypJ.GdHCkLth3d...	Ram

3. User Table : MongoDB



blogdb.user Documents

DOCUMENTS 2 TOTAL SIZE 394B AVG. SIZE 197B INDEXES 1 TOTAL SIZE 36.0KB AVG. SIZE 36.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER OPTIONS FIND RESET ...

ADD DATA VIEW {}

Displaying documents 1 - 2 of 2 REFRESH

```
{ "_id": ObjectId("60099c2074ecc62288b813a0"),
  "userName": "Ram",
  "password": "$2a$10$5A73PyaCp87sL0NFH5ew.ZZ/kPgymgiwBIH0CL7qa2V8net49rcG",
  "email": "ram@test.com",
  "creationDate": 2021-01-21T15:22:08.530+00:00,
  "_class": "com.app.blog.model.User" }
```

```
{ "_id": ObjectId("60099f8d74ecc62288b813a2"),
  "userName": "Arjun",
  "password": "$2a$10$rePRyyGhgdvb8SVqgZHPMe1en.QyaA57/RvvyQDCpreUrh3o1ptT2",
  "email": "arjun@test",
  "creationDate": 2021-01-21T15:36:45.715+00:00,
  "_class": "com.app.blog.model.User" }
```

POC Document

4. Blog Post Table: MySQL

blogdb.post: 2 rows total (approximately) >> Next Show all Sorting Columns (6/6)

id	content	created_on	title	updated_on	username
1	<p>Hi All,</p><p>Like any new situation, <...</p></p>	2021-01-20 17:37:49	This My First Web Blog	2021-01-20 17:37:49	Ram
2	<p>Hi All,</p><p>Happy New Year 2021 !!!...</p></p>	2021-01-20 17:39:41	This is my second blog in 2021	2021-01-20 17:39:41	Ram

<p>Hi All,</p>
<p>Happy New Year 2021 !!!</p>

5. Blog Post Table: MySQL

Local blogdb.post Documents

5 DBS 3 COLLECTIONS FAVORITE

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 4.4.3 Community

Filter your data

- BookStore
- admin
- blogdb
 - post
 - user
- config
- local
- test

blogdb.post

DOCUMENTS 3 TOTAL SIZE 2.3KB AVG. SIZE 780B INDEXES 1 TOTAL SIZE 36.0KB AVG. SIZE 36.0KB

Documents Aggregations Schema Explain Plan Indexes Validation

FILTER OPTIONS FIND RESET ...

ADD DATA VIEW { } Refresh

Displaying documents 1 - 3 of 3 C REFRESH

```
{ "_id": ObjectId("60099e8e74ecc62280b013a1"),  
  "title": "This Is My First Blog In 2021 !!!",  
  "content": "  
    <h2><em><strong>How To Build An Empire With Mindfulness ..."  
  "createdBy": "Ram",  
  "creationDate": 2021-01-21T15:32:30.541+00:00,  
  "modificationDate": 2021-01-21T15:32:30.541+00:00,  
  "_class": "com.app.blog.model.Post"
```

```
{ "_id": ObjectId("6009a0bf74ecc62280b013a3"),  
  "title": "Become The Hero of Your Life Story in 2021 !!!",  
  "content": "<p><span style='color: #ddddd; font-family: Georgia, serif; font-size..."  
  "createdBy": "Arjun",  
  "creationDate": 2021-01-21T15:41:51.708+00:00,  
  "modificationDate": 2021-01-21T15:41:51.708+00:00,  
  "_class": "com.app.blog.model.Post"
```

```
{ "_id": ObjectId("6009a17974ecc62280b013a4"),  
  "title": "INTENTION + 24/7 LEARNING",  
  "content": "<p><strong style='box-sizing: border-box; font-family: 'Helvetica Neue..."  
  "createdBy": "Arjun",  
  "creationDate": 2021-01-21T15:44:57.961+00:00,  
  "modificationDate": 2021-01-21T15:44:57.961+00:00,  
  "_class": "com.app.blog.model.Post"
```

Activate Windows
Go to Settings to activate Windows.