Day 37 Workshop <u>Duration: 120 mins</u> Client Side Foundation

Objective

The objective of this workshop is learn how to upload blobs and how to store and retrieve these blobs

Setup

- a. Generate a SpringBoot application; add the following dependencies
 - i. Spring Boot Web Dev
 - ii. Spring Web
 - iii. Thymeleaf
 - iv. JDBC API
 - v. JDBC Connector Java
 - vi. JSON-P
- b. Generate an Angular application

Workshop

Task 1

Create a MySQL database called feeds. feeds database consists of a single table called posts with the following fields

Field name	Туре
post_id	varchar(8)
comments	mediumtext
picture	mediumblob

Task 2

Write a REST endpoint for the SpringBoot application that respond to the following request

```
POST /api/post
Content-Type: multipart/form-data
Accept: application/json
```

The POST request consist of 2 parts; they are comments and picture. comments is text and picture is binary. These are inserted into the posts table. Generate a unique post id for the record.

Day 37 Workshop <u>Duration: 120 mins</u> **Client Side Foundation**

Write a HTML page to test the /api/POST endpoint.

Task 3

Write an Angular application to upload a picture and a corresponding comment to the /api/POST endpoint.

Since Angular application is to be deployed together with SpringBoot, setup a proxy during your development for forward all SpringBoot (**Task 2**).

Task 4

Deploy the SpringBoot application to Railway.

Don't forget to build the Angular application first and copy the JavaScript files into SpringBoot's static directory.