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	Type
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.

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.