



Technologies you should use:

- Node js
- SQL server or Postgres or MongoDB
- RabbitMQ
- Docker compose

Create an application that allows uploading and getting a CSV file.

The first line of the file is the headers!

Note the field *code* is unique.

The application allows interaction through a Rest endpoint that allows the user to:

- Upload the data
- Fetch all of his/her data
- Fetch his/her data by *code*
- Delete all of his/her data
- Register and Login

Data upload:

- Store to a database. The in-database table will contain the fields as described in the CSV file

3 different ways allow users to save CSV data:

- The first one is using the rest endpoint as mentioned above
- The second way is listening on a queue (queue1) reading the file and saving the records into the database
- The third way is listening on another queue (queue2) for the file but this queue just needs to read the file and publish records as messages to another queue (queue3) the application also listens on queue3 and reads the messages and saves the records into the database

**Note 1:** Nest js is a plus

**Note 2:** for demonstration purposes please implement either a test or an endpoint to publish the messages to the queues

**Note 3:** Please send the application and database and RabbitMQ as docker-compose

**Note 4:** The application must ensure the database exists and execute migration at the startup