



Challenge Implement CRUD by Using JPA Within a RESTful Service

Implementation Environment

- Ensure that MySQL is installed on your machine.
 - Steps to install MySQL on [Windows](#)
 - Steps to install MySQL on [Linux](#)

Music Track Details

A music streaming application enables users to listen to music on the go. The streaming application requires the track details of all the songs streamed on the application.

Create a Spring Boot application that has the music track details in a domain class called track. Implement the different layers of the application. Use the MySQL database for storing the data.

CHALLENGE



Challenge: Tasks

- Create a REST API that will manage the Track information.
- Create the domain layer with the Track class that will store the information of tracks like `trackId`, `trackName`, `trackComments`, `trackRating`, and `trackArtist`.
- Define the Repository Layer and use Spring Data JPA to perform MySQL database operations.
- Define the Service Layer that will contain methods to save, fetch all tracks, fetch a track by `trackId`, delete a track, fetch tracks based on artist, and update the track details.
- Define the Controller Layer with handler methods for GET, PUT, POST, and DELETE.
- Autowire the dependencies accordingly.
- Test the output in Postman.

Submission Instructions

- There is no boilerplate for the practice.
- Create a repository on Git named **BEJ_C2_S1_REST_MySQL_MC_1**.
- Work on the solution and push your code to the newly created repository.
- Submit it for review.