

# Railway and Meal Service I

## Problem Statement

← Classroom

Rest Template  
Railway And Meal Service I

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Problem Submissions Solutions Doubts

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Railway and Meal Service I

Easy • Score 80/80 • Java • Spring Hibernate

Problem statement

Last time because of your help the developer was able to complete his **Railway Ticket Booking Application**. However, there are a couple of new requirements which have come up.

The project now has a **Meal** entity class and meal as a field object within the Ticket entity class. The 'meal' object within the ticket entity class holds the **Meal** data. You need to complete the project based on the given template.

▼ Meal Service APIs:-

1. You are given a Meal Service application, which has the following endpoints exposed to you.

2. These are the Meal Service applications APIs provided to you.

▼ Reference image

GET - <http://localhost:8081/pantry/meals> - Return a list of meals.

GET - <http://localhost:8081/pantry/meal/{pnr}> - Returns a single meal with the pnr provided in the url.

POST - <http://localhost:8081/pantry/meal> - Add a single meal, by giving a meal as the request body.

PUT - <http://localhost:8081/pantry/meal/{pnr}> - Update the meal by a given PNR.

DELETE - <http://localhost:8081/pantry/{pnr}> - Delete the meal by the specified PNR.

Send feedback

1 Step 1  
Download starter kit

2 Step 2  
Complete project on local IDE

3 Step 3  
Export code as .zip file

4 Step 4  
Upload .zip file max 50mb

Drag and drop .zip here or [browse](#)

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### ▼ Tasks:-

- Complete the **MealServiceCommunicator** class provided in the Railway App by doing the following:
  - Create a RestTemplate instance and autowire the RestTemplateBuilder.
  - Create a method "getMealByPnr()" which takes "pnr(long)" as an argument. This method is responsible for returning a particular meal associated with the particular "pnr(long)".
  - Use the getForEntity() method within the "getMealByPnr()" to fetch a "meal" object from the "Meal Application".
- Complete the "getTicketByPnr()" method in the **RailwayService** by doing the following:
  - Fetch the meal associated with the given "pnr" by using the rest template.
  - Build the logic for setting the fetched meal to the ticket.
  - Return the ticket associated with the given "pnr" along with the meal details.
- Test the application using Postman

## Output

The screenshot displays a REST client interface with the following details:

- URL:** `localhost:8080/railway/ticket`
- Method:** `GET`
- Path:** `localhost:8080/railway/ticket/123`
- Status:** `200 OK`, `367 ms`, `301 B`
- Response Body (JSON):**

```
{  "pnr": 123,  "name": "ticket Name",  "age": 10,  "birth": "Birth",  "meal": {    "pnr": 123,    "mealType": "Dinner",    "premium": true,    "mealTime": "South Indian"  }}
```