UseCase Descriptions

(هنكمل بقيت اليوز كيس هنا ياشباب وياريت الكل يطلع العنده هنا لان ده اصلا كدة ممكن نعمل بيه البروجكت مسترحين بناء علي فهم ده مش محتاجين نكمل اصلا وممكن نبدا في البروجكت تمام انا عن نفسي شوي كدة هعمل صفح بتاعت التذكرة وبتاعت الريئسية واخلصلكوا اللوج ان بتاعت الادمن و كدة اشطا اوي عليكوا )

**Use Case 1: Pay**

* **Goal:** Enable the user to pay for a train ticket electronically.
* **Initiator:** (User).
* **Pre-condition(s):**

The user is logged in or in the process of booking a ticket.

A valid payment method (e.g., credit card or e-wallet) is available.

* **Post-condition(s):**

Payment is successfully completed.

An e-ticket is issued and linked to the user's account.

* **Main Success Scenario:**

1.The user selects a preferred payment method.

2.The user enters the required payment details.

3.The system verifies the payment information.

4.The payment is processed successfully.

5.A confirmation message is displayed, and the ticket is issued.

**Use Case 2: One Way / Two Way**

* **Goal:** Allow the user to choose the trip type (One Way or Round Trip).
* **Initiator:** (User).
* **Pre-condition(s):**

1.The user is in the ticket booking process.

* **Post-condition(s):**

1.The selected trip type is stored in the booking record.

* **Main Success Scenario:**

1.The system displays the trip type options (One Way and Two Way).

2.The user selects the desired option.

3.The selection is saved as part of the booking details.

**Use Case 3: Print the Ticket**

* **Goal:** Allow the user to print their ticket after successful booking.
* **Initiator:** (User).
* **Pre-condition(s):**

A ticket has already been booked and paid for.

* **Post-condition(s):**

The ticket is printed and available in hard copy.

* **Main Success Scenario:**

1.The user navigates to the "My Tickets" section.

2.The user selects a specific ticket.

3.The user clicks the "Print" button.

4.A printable version of the ticket is displayed.

5.The ticket is printed using a connected printer.

**Use Case 4: Send Delay Notification**

* **Goal:** Notify users of train delays in real-time.
* **Initiator:** System or Train Operator.
* **Pre-condition(s):**

1.A delay in train schedule is detected or reported.

* **Post-condition(s):**

1.A delay notification is sent to all affected passengers.

* **Main Success Scenario:**

1.The system identifies a delay for a scheduled train.

2.A delay notification message is generated.

3.The notification is sent to all users who have a valid booking on that train.

**Use Case 5: Check Data**

* **Goal:** Allow users to view or verify their personal and booking data.
* **Initiator:**(User).
* **Pre-condition(s):**
  + The user is logged in.
* **Post-condition(s):**
  + The user views accurate and up-to-date data.
* **Main Success Scenario:**

1.The user selects "Check Data" from the main menu.

2.The system retrieves and displays personal and booking-related data.

3.The user reviews the displayed information.

**Use Case 6: View Notification History**

* **Goal:** Allow users to view the history of notifications they have received.
* **Initiator:**(User).
* **Pre-condition(s):**

1.The user is logged into the system.

* **Post-condition(s):**

1.The list of notifications is displayed to the user.

* **Main Success Scenario:**

1.The user navigates to the "Notification History" section.

2.The system displays a list of all notifications received.

3.Notifications are sorted by date and time, and may be filtered.