**Ticket Booking and Management**

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| **UI page** | **URL** | **Function** | **Type** | **Request body** | **Response** |
| **Login (facebook)** | **/caltrain** | **User login** | **POST** | **email**  **password** | **200 ok** |
| **Search trains** | **/caltrain/search** | **Search trains** | **GET** | **departureTime**  **fromStation**  **toStation**  **ticketType(E, R)**  **tripType(Ow, Rt)** | **200 ok**  **trainNumber**  **departureTime**  **availableSeats**  **fromStation**  **toStation** |
| **Purchase ticket** | **/caltrain/purchase** | **Purchase ticket** | **POST** | **email**  **trainNumber**  **departureTime**  **fromStation**  **toStation**  **price** | **200 ok** |
| **Ticket cancellation** | **/caltrain/cancel/{email}** | **Get booked tickets for user** | **GET** | **email** | **email**  **trainNumber**  **departureTime**  **fromStation**  **toStation**  **price** |
|  | **/caltrain/cancel** | **Cancle ticket** | **DELETE** | **email** | **200 ok** |
| **Train cancellation** | **/caltrain/trainCancle** | **Cancel train** | **PUT** | **trainNumber** | **200 ok** |
| **Admin registration** | **/caltrain/admin** | **Login admin** | **POST** | **email** | **200 ok** |