

URL for published documentation

<https://documenter.getpostman.com/view/40308393/2sAYHwL5Tm>

Ticket System API Documentation

Base URL

bash

Copy code

`https://localhost:8080/api`

Endpoints

1. Stop System

- **Description:** Stops all active threads for vendors and customers.
- **URL:** /end
- **Method:** POST
- **Request Body:** *None*
- **Example Request:**

bash

Copy code

`curl --location --request POST 'https://localhost:8080/api/end'`

- **Response:**
 - **Success Response:**
 - No response body.
 - **HTTP Status Code:** 200 OK
 - **Headers:**
 - Content-Type: application/json
-

2. Configure System

- **Description:** Configures the ticket system with parameters such as total tickets, ticket release rate, customer retrieval rate, max ticket capacity, total vendors, and total customers.
- **URL:** /configure
- **Method:** POST

- **Request Body:**
 - **Content-Type:** application/json
 - **Example:**

json

Copy code

```
{
  "totalTickets": 8,
  "ticketReleaseRate": 2,
  "customerRetrievalRate": 1,
  "maxTicketCapacity": 5,
  "totalVendors": 11,
  "totalCustomers": 4
}
```

- **Example Request:**

bash

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curl --location 'http://localhost:8080/api/configure' Let me know if there is anything else I can help you with.

--header 'Content-Type: application/json' Let me know if there is anything else I can help you with.

```
--data '{
  "totalTickets": 8,
  "ticketReleaseRate": 2,
  "customerRetrievalRate": 1,
  "maxTicketCapacity": 5,
  "totalVendors": 11,
  "totalCustomers": 4
}'
```

- **Response:**
 - **Success Response:**
 - No response body.
 - **HTTP Status Code:** 200 OK

- **Headers:**
 - Content-Type: application/json
-

3. View Ticket Pool

- **Description:** Retrieves the current state of the ticket pool, including the total tickets added, total tickets purchased, and the current ticket pool.
- **URL:** /ticketpool
- **Method:** GET
- **Request Body:** *None*
- **Example Request:**

bash

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```
curl --location 'http://localhost:8080/api/ticketpool'
```

- **Response:**
 - **Success Response:**

json

Copy code

```
{  
  "ticketsAdded": 6,  
  "ticketsPurchased": 4,  
  "currentTicketPool": ["T", "T"]  
}
```

- **HTTP Status Code:** 200 OK
 - **Headers:**
 - Content-Type: application/json
-

Notes

1. **CORS Configuration:** Ensure the backend allows cross-origin requests if accessed via a front-end application (e.g., React).
2. **Error Handling:**
 - For invalid requests, the API should return an appropriate error response.
 - **Example Error Response:**

json

Copy code

```
{  
  "error": "Invalid configuration parameters."  
}
```

3. **Postman Documentation:**

- URL for the published documentation: [Postman API Documentation](#)