

1. API Selection

- **API Name:** Restful-Booker
- **Base URL:** <https://restful-booker.herokuapp.com>
- **Description:** I chose this API because it supports full CRUD operations and token-based authentication, allowing for robust testing scenarios.

2. Authentication Method

- **Method:** Token-based Authentication (Cookie).
- **Workflow:** I used a **POST** request to the `/auth` endpoint with valid credentials (`admin/password123`).
- **Automation:** A test script captures the returned token and stores it in the `{{token}}` environment variable automatically.
- **[Insert Screenshot of your "Auth - Get Token" request and the Body response]**

3. CRUD Operations

- **Create (POST):** Created a new booking. The script captured the new `bookingid`.
 - **[Insert Screenshot of POST Body and Response]**
- **Read (GET):** Retrieved the booking using `{{id}}`.
 - **[Insert Screenshot of GET Response]**
- **Update (PUT):** Updated the "firstname" using the `Cookie: token={{token}}` header.
 - **[Insert Screenshot of PUT Body and Response]**
- **Delete (DELETE):** Removed the booking. Returns `201 Created`.
 - **[Insert Screenshot of DELETE Response]**

4. Automation & Variables

- **Environment Variables:** I used `{{base_url}}`, `{{token}}`, and `{{id}}` to ensure requests were dynamic and not hardcoded.
- **Pre-request Script:** On the DELETE request, I added a pre-request script to automatically refresh the authentication token before execution to prevent expiration errors.

5. Collection Runner

The screenshot shows the Postman Collection Runner interface. The left sidebar displays the 'Collections' section with several items, including 'Postman API Assignment', 'REST API basics: CRUD, test & variable', and 'SE-Assignment-Chigozie_Emanuel'. The 'SE-Assignment-Chigozie_Emanuel' collection is currently selected. The main area shows the 'Run results' for this collection, indicating a successful run completed at 08:08:29 PM. The results table provides a summary of the run: 1 iteration, 4s 228ms duration, 2 tests, 0 errors, and an average response time of 493 ms. Below the summary, individual test results are listed: 'POST Auth-Get Token' (status 200, 1129 ms, 782 B), 'POST Create Booking' (status 200, 348 ms, 945 B), 'GET Get Booking' (status 200, 338 ms, 916 B), 'PUT Update Booking' (status 200, 324 ms, 910 B), and 'DELETE Delete Bookings' (status 201, 326 ms, 747 B). All tests passed.

