
Postman Fundamentals

Presented By:



POSTMAN



M0: Prerequisites

- Download Postman
- Understand RESTful APIs
- Talk about the changing face of software

Download the API Client:

getpostman.com/apps

See the code snippets:

bit.ly/wdwpstman

What is Postman?

Postman is an API development platform.

What is an API?

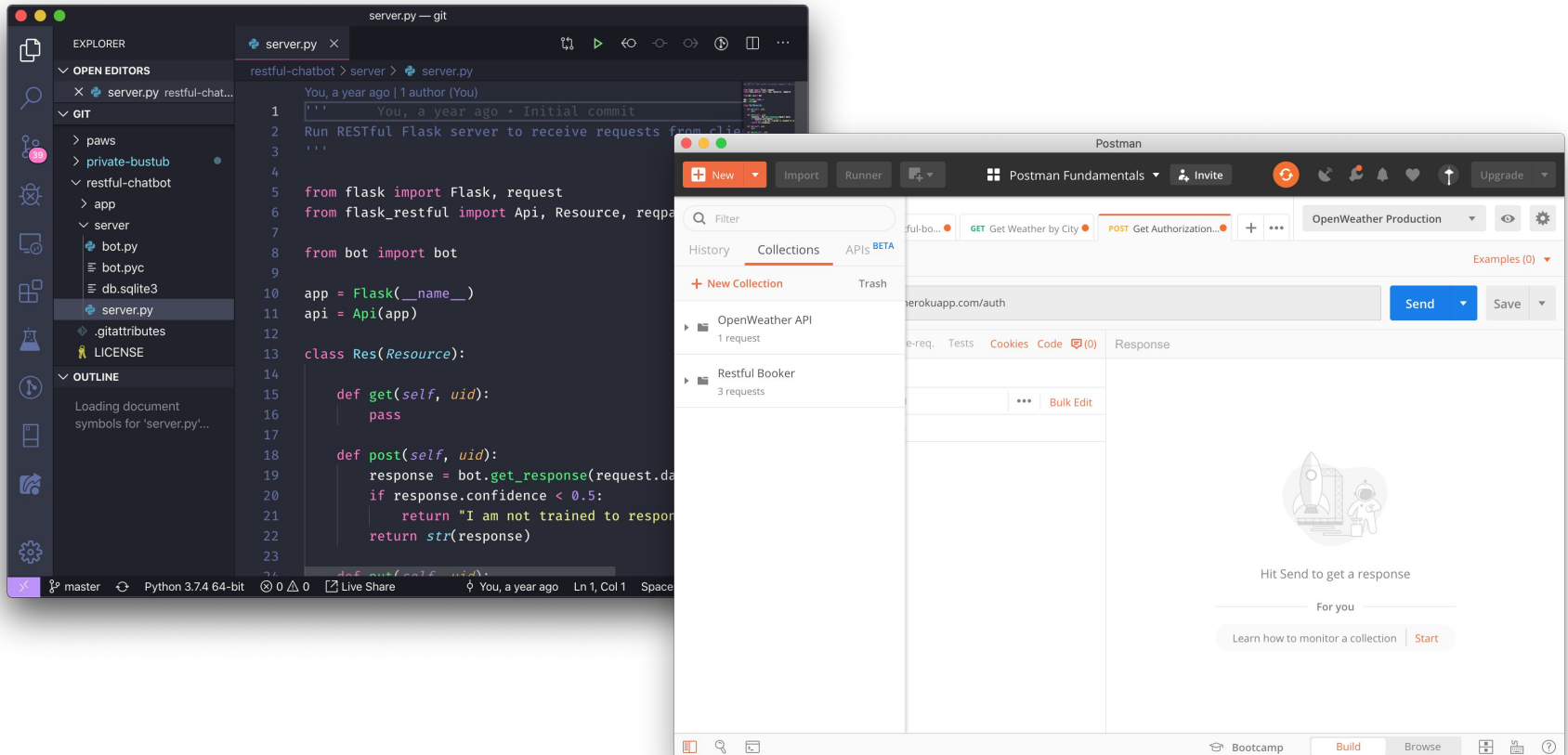
An API is the interface that governs the various access points for a server. Users makes requests to these endpoints to get data from/send data to the server.

What is a RESTful API?

A RESTful API uses HTTP requests to contact the server.



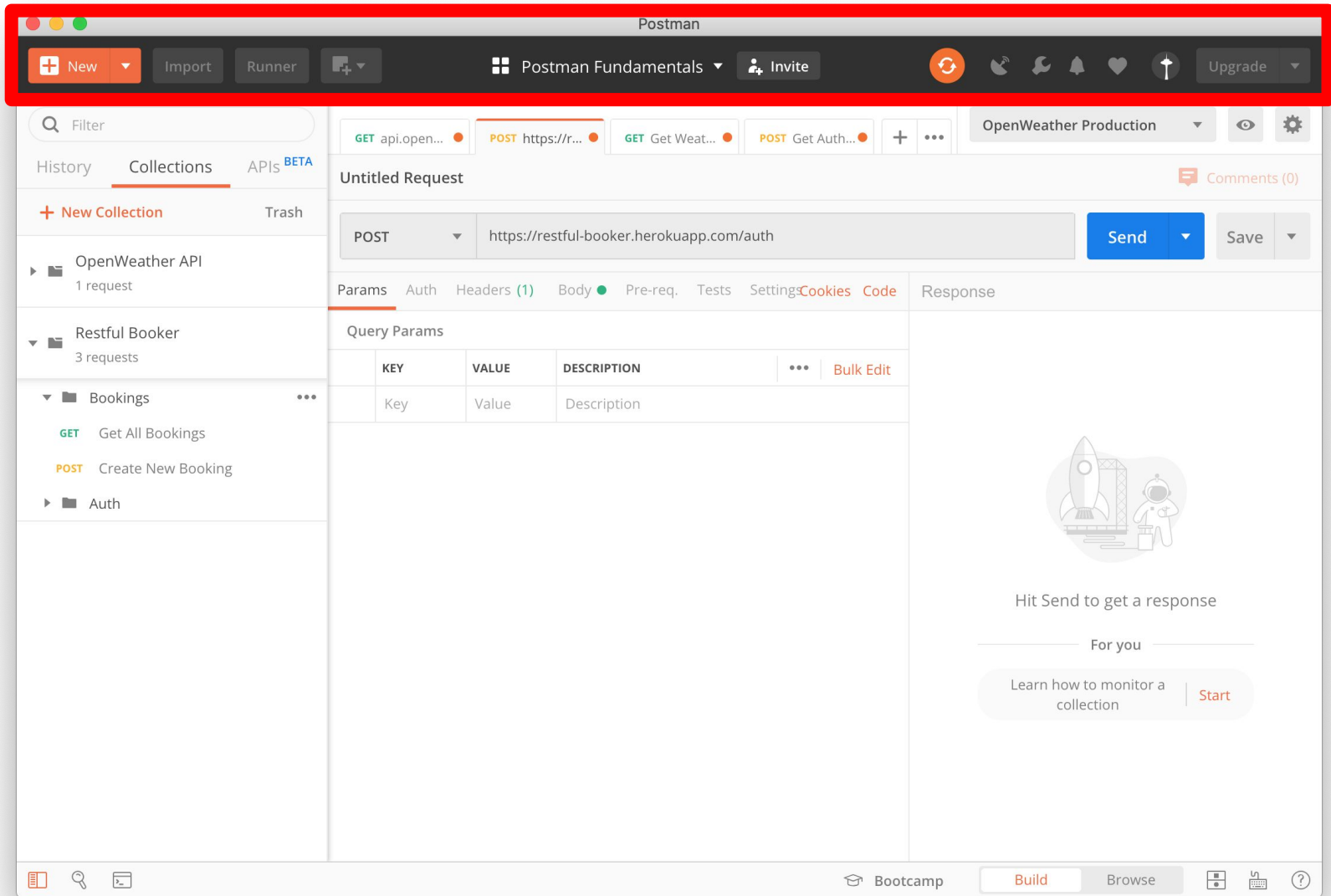
Code First v API First



M1: Postman Concepts

- Understand elements of the Postman UI
- Understand hierarchy of concepts in Postman

HEADER



SIDEBAR

The screenshot shows the Postman application window. The sidebar on the left is highlighted with a red border. It contains a search bar, tabs for History, Collections, and APIs (BETA), and a list of collections including OpenWeather API, Restful Booker, Bookings, and Auth. The main panel displays an 'Untitled Request' for a POST method to the URL 'https://restful-booker.herokuapp.com/auth'. The 'Query Params' section is visible with a table containing headers KEY, VALUE, and DESCRIPTION. The right panel shows a 'Response' section with a rocket and astronaut icon and the text 'Hit Send to get a response'. The bottom status bar includes 'Bootcamp', 'Build', 'Browse', and a help icon.

Postman

Postman Fundamentals Invite

OpenWeather Production

Filter

History Collections APIs BETA

+ New Collection Trash

OpenWeather API
1 request

Restful Booker
3 requests

Bookings
GET Get All Bookings
POST Create New Booking

Auth

Untitled Request

Comments (0)

POST https://restful-booker.herokuapp.com/auth

Send Save

Params Auth Headers (1) Body Pre-req. Tests Settings Cookies Code Response

Query Params

KEY	VALUE	DESCRIPTION
Key	Value	Description

Hit Send to get a response

For you

Learn how to monitor a collection Start

Bootcamp Build Browse

REQUEST BUILDER

Postman

History Collections APIs BETA

+ New Collection Trash

OpenWeather API 1 request

Restful Booker 3 requests

Bookings ...

- GET Get All Bookings
- POST Create New Booking

Auth

GET api.open... POST https://r... GET Get Weat... POST Get Auth... + ... OpenWeather Production

Untitled Request Comments (0)

POST https://restful-booker.herokuapp.com/auth Send Save

Params Auth Headers (1) Body Pre-req. Tests Settings Cookies Code Response

Query Params

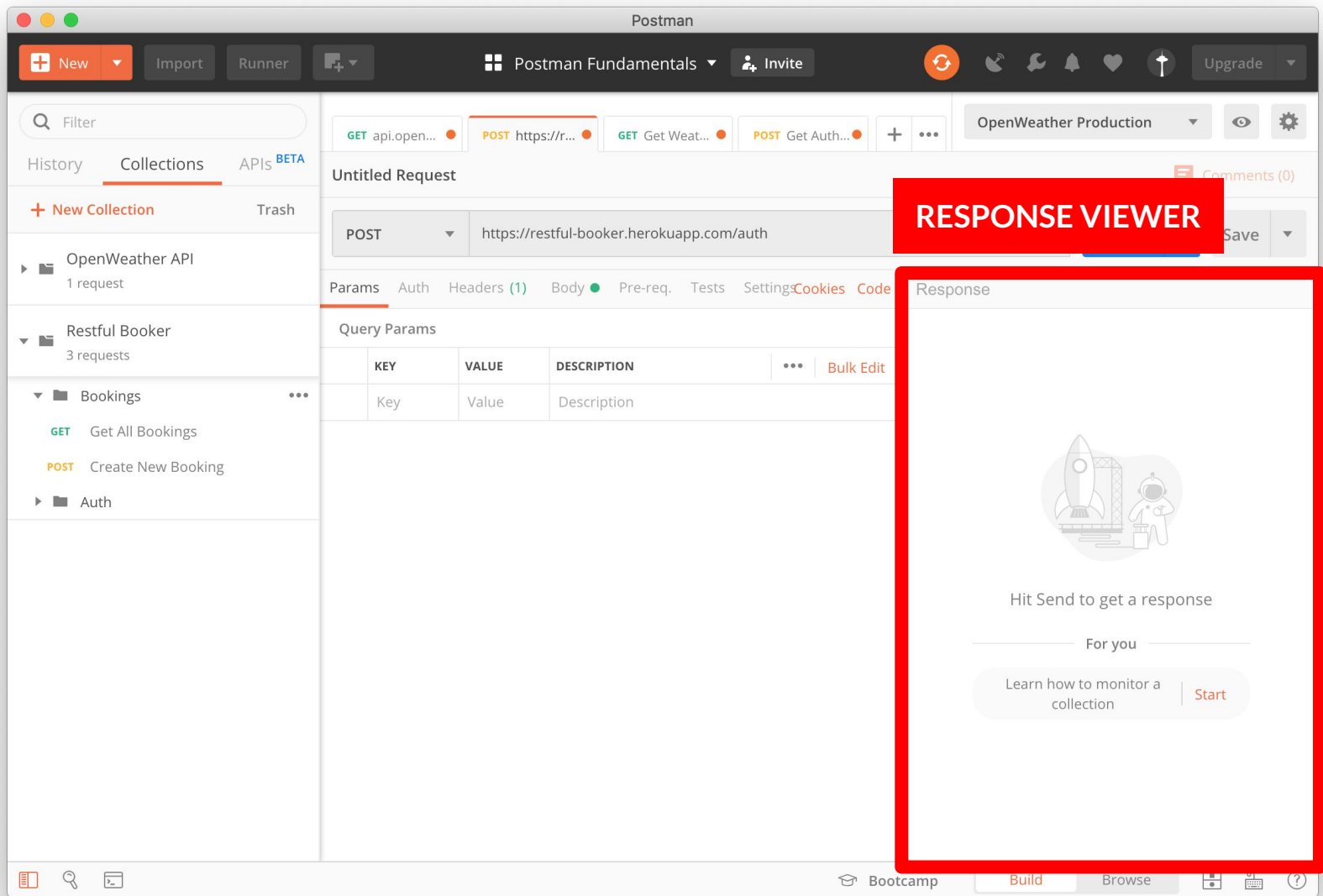
KEY	VALUE	DESCRIPTION	...	Bulk Edit
Key	Value	Description		

Hit Send to get a response

For you

Learn how to monitor a collection Start

Bootcamp Build Browse



Requests in Postman

- The core function of Postman is to send and see the result of an HTTP Request to an API endpoint.
 - Supports all HTTP methods (GET, POST, PUT, etc.)
 - Responses can be in JSON, XML, HTML, or text.
 - Collections are groups of saved requests.
 - Organization
 - Documentation
 - Test Suites
 - Conditional Workflows
 - Variables allow for re-use of values to avoid repetition.
-

M2: Advanced Requests

- Create and send API requests using Postman
- Use Workspaces and Collections to organize requests

GET v POST Requests

- GET simply requests a specified resource. This has no side effects.
 - Fetching the homepage of Google
 - Getting weather forecast for Pittsburgh
 - POST submits data to be processed to a specified resource. This updates remote data.
 - Signing into your Google account
 - Adding new data points to the weather forecast for Pittsburgh
-

M3: Additional Features

- Get an overview of the power of Postman

Thank You!
