

Understanding the Playground - REST

In this lesson, we will walk you through the details of web API developed for demos and writing test automation for RESTful APIs.

We'll cover the following

- Demo class for REST
- Supported HTTP methods for REST API

Demo class for REST

We have a student class, with the following fields and types:

Access Specifier	Type	Field
private	Long	id
private	String	firstName
private	String	lastName
private	String	gender

Supported HTTP methods for REST API

The target base URL : <http://ezifyautomationlabs.com:6565>

Method	Request Mapping	Comments
GET	/educative-rest/students	Get all students
GET	/educative-rest/students/{id}	Get student with id

GET	<code>/educative-rest/students/{id}</code>	Get a student with a particular id
POST	<code>/educative-rest/students</code>	Create a new student
PUT	<code>/educative-rest/students</code>	Update an existing student
DELETE	<code>/educative-rest/students/{id}</code>	Delete student with a particular id

The HTTP methods above also have a corresponding **authentication** based request mapping, for example:

`/educative-rest/auth/students`

The only change is the path param **auth**, which is appended in the URL.

In the next lesson, we will learn writing API automation tests for RESTful services using the Rest Assured library.