

# Swagger Specifications

We have used Swagger to generate RESTful API documentation.

In the following example, you will see where we created the RESTful contract for the API. Specifications generated with Swagger detail all of the API's resources and operations in a format that is understandable for people and machines.

The screenshot displays the Swagger UI for an API. At the top, there's a green header with the Swagger logo, a dropdown menu set to 'default (v2/api-docs)', an input field for 'api\_key', and an 'Explore' button. Below the header, the title 'Api Documentation' is followed by 'Api Documentation' and 'Apache 2.0'. The main content is organized into sections for different controllers:

- order-controller : Order Controller** (with links for Show/Hide, List Operations, and Expand Operations)
- product-rest-controller : Product Rest Controller** (with links for Show/Hide, List Operations, and Expand Operations)
- reports-controller : Reports Controller** (with links for Show/Hide, List Operations, and Expand Operations)

Each controller section lists its endpoints:

- product-rest-controller**:
  - GET `/getAllUnpublishedProducts` - Fetch all unpublished products
  - GET `/getProductDetailsByProductId` - Fetch product details by Product Id
- reports-controller**:
  - GET `/getOrderCountPerStatus` - Fetch Count of Orders per each order status
  - GET `/getOrderStatistics` - Fetch Order Statistics

Below the endpoints, the 'Response Class (Status 200)' is shown as 'OK'. Under the 'Model' tab, the 'Model Schema' is displayed as a JSON object:

```
{
  "highSpendingDeptName": "string",
  "openOrders": 0,
  "totalOrderCost": 0,
  "totalOrders": 0
}
```

These specifications are the basis of the OpenAPI Specification (OAS) and were developed in an open, transparent, and collaborative community to standardize the way RESTful interfaces are defined.

Link to Swagger API: <http://13.64.248.119:8080/calestore/swagger-ui.html>