**Rest API Description (Pizza Project):**

**Operation**

**Method**

**Resource Path**

**Result example (example with with Curl)**

**List all cafes**

**GET**

**/cafes**

**curl -v -H "Content-Type: application/json" -X GET http://localhost:8080/cafes**

**Add a new cafe**

**POST**

**/cafe**

**(with auth) curl -v -H "Content-Type: application/json" -X POST -u "admin:admin" -d**

**'{"name":"Pizza Point","city":"Berlin","address":"Haupstrase 1","email":"pizzapoint@gmail.com","phone":"0034 231 234","open\_at":"09:00:00","close\_at":"21:00:00"}'**

**http://localhost:8080/cafe**

**(without auth expected to fail)curl -v -H "Content-Type: application/json" -X POST -d**

**http://localhost:8080/cafe**

**Get cafe by id with all pizza details listed**

**GET**

**/cafe/full/{id}**

**curl -v -H "Content-Type: application/json" -X GET http://localhost:8080/cafe/full/1**

**Update cafe details (identified by id)**

**POST**

**/cafe/{id}**

**curl -v -H "Content-Type: application/json" -X PUT -u "admin:admin" -d**

**'{"name":"Update","city":"Dresden","address":"Haupstrase 1","email":"pizzapoint@gmail.com","phone":"0034 231 234","open\_at":"09:00:00","close\_at":"21:00:00"}'**

**http://localhost:8080/cafe/1**

**(without auth expected to fail)curl -v -H "Content-Type: application/json" -X PUT -u**

**http://localhost:8080/cafe/1**

**Delete cafe by id**

**POST**

**/cafe/{id}**

**curl -v -H "Content-Type: application/json" -X DELETE -u "admin:admin"**

**http://localhost:8080/cafe/1**

**(without auth expected to fail)curl -v -H "Content-Type: application/json" -X DELETE**

**http://localhost:8080/cafe/1**

**Basic search by cafe address (should return all cafes whose name contains search term)**

**GET**

**/cafes?address={cafe address}**

**curl -v -H "Content-Type: application/json" -X GET http://localhost:8080/cafes?address=BERLIN**

**List all pizzas of specific cafe**

**GET**

**/pizzas?cafe\_id={id}**

**curl -v -H "Content-Type: application/json" -X GET http://localhost:8080/pizzas?cafe\_id=1**

**Add new pizza to specific cafe**

**POST**

**/pizza**

**curl -v -H "Content-Type: application/json" -X POST -u "admin:admin" -d**

**'{"name":"Gawaii", "size":"XL", "key\_ingredients":"pineapple", "price":25, "cafe\_id":4}'**

**http://localhost:8080/pizza**

**(without auth expected to fail)curl -v -H "Content-Type: application/json" -X POST -u "admin:admin" -d**

**http://localhost:8080/pizza**

**Get specific pizza details**

**GET**

**/pizza/{id}**

**curl -v -H "Content-Type: application/json" -X GET http://localhost:8080/pizza/1**

**Update pizza details (by pizza id)**

**POST**

**/pizza/{id}**

**curl -v -H "Content-Type: application/json" -X PUT -u "admin:admin" -d**

**'{"name":"Updated", "size":"XL", "key\_ingredients":"pineapple", "price":12, "cafe\_id":4}'**

**http://localhost:8080/pizza/1**

**(without auth expected to fail)curl -v -H "Content-Type: application/json" -X PUT -d**

**http://localhost:8080/pizza/1**

**Delete specific pizza**

**POST**

**/pizza/{id}**

**curl -v -H "Content-Type: application/json" -X DELETE -u "admin:admin"**

**http://localhost:8080/pizza/1**

**(without auth expected to fail)curl -v -H "Content-Type: application/json" -X DELETE -u "d:d"**

**http://localhost:8080/pizza/1**

**List all pizzas from database**

**GET**

**/pizzas**

**curl -v -H "Content-Type: application/json" -X GET http://localhost:8080/pizzas**

**Basic search by pizza name (should return all pizzas whose name contains search term)**

**GET**

**/pizzas?name={pizza name}**

**curl -v -H "Content-Type: application/json" -X GET http://localhost:8080/pizzas?name=MARGARITA**