

Rest API Description(Pizza Project):

| Operation   | Method | Resource Path                   | Result example (example with with Curl)  |
|---|--------|---------------------------------|--|
| List all cafes  | GET    | /cafes                          | <pre>curl -v -H "Content-Type: application/json" -X GET <b>http://localhost:8080/cafes</b></pre>   |
| Add a new cafe  | POST   | /cafe                           | <pre>(with auth) curl -v -H "Content-Type: application/json" -X POST -u "admin:admin" -d  '{"name":"Pizza Point","city":"Berlin","address":"Hauptstrase 1","email":"<a href="mailto:pizzapoint@gmail.com">pizzapoint@gmail.com</a>","phone":"0034 231 234","open_at":"09:00:00","close_at":"21:00:00"}'</pre> <p><b>http://localhost:8080/cafe</b></p> <pre>(without auth expected to fail)curl -v -H "Content-Type: application/json" -X POST -d  <b>http://localhost:8080/cafe</b></pre> |
| Update cafe details<br>(identified by id)   | PUT    | /cafe/{id}                      | <pre>curl -v -H "Content-Type: application/json" -X PUT -u "admin:admin" -d  '{"name":"Update","city":"Dresden","address":"Hauptstrase 1","email":"<a href="mailto:pizzapoint@gmail.com">pizzapoint@gmail.com</a>","phone":"0034 231 234","open_at":"09:00:00","close_at":"21:00:00"}'</pre> <p><b>http://localhost:8080/cafe/1</b></p> <pre>(without auth expected to fail)curl -v -H "Content-Type: application/json" -X PUT -u  <b>http://localhost:8080/cafe/1</b></pre>               |
| Delete cafe by id   | DELETE | /cafe/{id}                      | <pre>curl -v -H "Content-Type: application/json" -X DELETE -u "admin:admin"</pre> <p><b>http://localhost:8080/cafe/1</b></p> <pre>(without auth expected to fail)curl -v -H "Content-Type: application/json" -X DELETE  <b>http://localhost:8080/cafe/1</b></pre>  |
| Basic search by cafe<br>address (should return<br>all cafes whose name<br>contains search term) | GET    | /cafes?address={cafe address}   | <pre>curl -v -H "Content-Type: application/json" -X GET <b>http://localhost:8080/cafes?address=BERLIN</b></pre>  |
| List all pizzas of<br>specific cafe   | GET    | <div>/pizzas?cafe_id={id}</div> | <pre>curl -v -H "Content-Type: application/json" -X GET <b>http://localhost:8080/pizzas?cafe_id=1</b></pre>  |
| List menu of specific<br>cafe   | GET    | /menu?cafe_id={id}              | <b>http://localhost:8080/menu?cafe_id=1</b>  |
| Get a list of additional<br>ingredients for pizza in<br>this cafe                               | GET    | /ingredients?cafe_id={id}       | <b>http://localhost:8080/ingredients?cafe_id=1</b>   |
| Add new pizza to<br>specific cafe   | POST   | /pizza                          | <pre>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}' <b>http://localhost:8080/pizza</b></pre>  |

|   |        |                           |  |
|---|--------|---------------------------|--|
|   |        |                           | <b>(without auth expected to fail)</b> curl -v -H "Content-Type: application/json" -X POST -u "admin:admin" -d<br><br><b>http://localhost:8080/pizza</b>   |
| Update new menu to specific cafe  | PUT    | /menu/ cafe_id={id}       | <b>http://localhost:8080/menu/5</b>  |
| Add new dishes to specific cafe   | POST   | /dishes                   | <b>http://localhost:8080/dishes</b>  |
| Get specific pizza details  | GET    | /pizza/{id}               | curl -v -H "Content-Type: application/json" -X GET<br><b>http://localhost:8080/pizza/1</b>   |
| Get specific dish details   | GET    | /dish/{id}                | <b>http://localhost:8080/dish/1</b>  |
| Update pizza details (by pizza id)  | PUT    | /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}'<br><br><b>http://localhost:8080/pizza/1</b><br><br><b>(without auth expected to fail)</b> curl -v -H "Content-Type: application/json" -X PUT -d<br><br><b>http://localhost:8080/pizza/1</b> |
| Delete specific pizza   | DELETE | /pizza/{id}               | curl -v -H "Content-Type: application/json" -X DELETE -u "admin:admin"<br><br><b>http://localhost:8080/pizza/1</b><br><br><b>(without auth expected to fail)</b> curl -v -H "Content-Type: application/json" -X DELETE -u "d:d"<br><br><b>http://localhost:8080/pizza/1</b>  |
| Delete specific dish  | DELETE | /dish/{id}                | <b>http://localhost:8080/dish/1</b>  |
| List all pizzas from database   | GET    | /pizzas                   | curl -v -H "Content-Type: application/json" -X GET<br><b>http://localhost:8080/pizzas</b>  |
| 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<br><b>http://localhost:8080/pizzas?name=MARGARITA</b>   |