

I. CRUD – Dog

I. Post Dog

I. Input

POST /dogs Add a Dog

Add a Dog

Parameters Cancel

Name	Description
customerID * required <small>integer(\$int32) (query)</small>	<input type="text" value="1"/>
breedID * required <small>integer(\$int32) (query)</small>	<input type="text" value="1"/>
name * required <small>string (query)</small>	<input type="text" value="+1 Dog"/>

Execute

II. Output (Get All Dogs)

```
},
{
  "petID": 3,
  "customerID": 2,
  "breedID": 2,
  "name": "3-Dog"
},
{
  "petID": 4,
  "customerID": 3,
  "breedID": 4,
  "name": "4-Dog"
},
{
  "petID": 5,
  "customerID": 1,
  "breedID": 1,
  "name": "billy"
},
{
  "petID": 7,
  "customerID": 1,
  "breedID": 1,
  "name": "+1 Dog"
}
]
```

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II. Get All Dogs

I. Output

```
},
{
  "petID": 3,
  "customerID": 2,
  "breedID": 2,
  "name": "3-Dog"
},
{
  "petID": 4,
  "customerID": 3,
  "breedID": 4,
  "name": "4-Dog"
},
{
  "petID": 5,
  "customerID": 1,
  "breedID": 1,
  "name": "billy"
},
{
  "petID": 7,
  "customerID": 1,
  "breedID": 1,
  "name": "+1 Dog"
}
]
```

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III. Get Specific Dog

I. Input

GET
/dogs/{dogID}
Get Dog by ID

Get Dog by ID

Parameters

Name	Description
dogID * required integer(\$int32) (path)	ID of Dog to Find

7

Execute

Responses

II. Output

200

Response body

```

{
  "petID": 7,
  "customerID": 1,
  "breedID": 1,
  "name": "+1 Dog"
}

```

IV. Put into Dog

I. Input

PUT
/dogs
Update a Dog

Update a Dog

Parameters

No parameters

Request body * required

```

{
  "petID": 7,
  "customerID": 1,
  "breedID": 1,
  "name": "Changed Dog"
}

```

II. Output

```
{
  "petID": 7,
  "customerID": 1,
  "breedID": 1,
  "name": "Changed Dog"
}
```

V. Delete Dog

I. Input

DELETE /dogs/{dogID} Delete a Dog

Delete a Dog

Parameters

Name	Description
dogID * required integer(\$int32) (path)	ID of Dog to Delete

7

II. Output

```
[
  {
    "petID": 1,
    "customerID": 2,
    "breedID": 2,
    "name": "3-Dog"
  },
  {
    "petID": 4,
    "customerID": 3,
    "breedID": 4,
    "name": "4-Dog"
  },
  {
    "petID": 5,
    "customerID": 1,
    "breedID": 1,
    "name": "billy"
  }
]
```

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II. CRUD – Breed

I. Post Breed

I. Input

POST

/breeds Add a Breed

Add a Breed

Parameters

Name	Description
description * required string (query)	<input type="text" value="Test Breed"/>

II. Output

```
{
  {
    "breedID": 1,
    "description": "Labrador"
  },
  {
    "breedID": 2,
    "description": "Chihuahua"
  },
  {
    "breedID": 3,
    "description": "Spitz"
  },
  {
    "breedID": 4,
    "description": "Malinois"
  },
  {
    "breedID": 5,
    "description": "new"
  },
  {
    "breedID": 6,
    "description": "Test Breed"
  }
}
```

II. Get All Breeds

I. Output

```
{
  "breedID": 1,
  "description": "Labrador"
},
{
  "breedID": 2,
  "description": "Chihuahua"
},
{
  "breedID": 3,
  "description": "Spitz"
},
{
  "breedID": 4,
  "description": "Malinois"
},
{
  "breedID": 5,
  "description": "new"
},
{
  "breedID": 6,
  "description": "Test Breed"
}
}
```

III. Get Specific Breed

I. Input

GET	/breeds/{breedID}	Get Breed by ID
-----	-------------------	-----------------

Get Breed by ID

Parameters

Name	Description
breedID * required	
integer(\$int32)	ID of Breed to Find
(path)	
	<input type="text" value="6"/>

Execute

II. Output

Code	Details
200	<div>Response body</div> <pre>{ "breedID": 6, "description": "Test Breed" }</pre> <div>Response headers</div>

IV. Put into Breed

I. Input

PUT `/breeds` Update a Breed

Update a Breed

Parameters

No parameters

Request body required

```
{
  "breedID": 6,
  "description": "Changed Breed"
}
```

II. Output

Code	Details
200	<div>Response body</div> <pre>{ "breedID": 6, "description": "Changed Breed" }</pre> <div>Response headers</div>

V. Delete Breed

I. Input

DELETE /breeds/{breedID} Delete a Breed

Delete a Breed

Parameters

Name	Description
breedID * required integer(\$int32) (path)	ID of Breed to Delete

II. Output

```
[
  {
    "breedID": 1,
    "description": "Labrador"
  },
  {
    "breedID": 2,
    "description": "Chihuahua"
  },
  {
    "breedID": 3,
    "description": "Spitz"
  },
  {
    "breedID": 4,
    "description": "Malinois"
  },
  {
    "breedID": 5,
    "description": "new"
  }
]
```

III. CRUD – Customer

I. Post Customer

I. Input

POST **/customers** Add a Customer

Add a Customer

Parameters

Name	Description
firstName * required string (query)	<input type="text" value="Aaron"/>
lastName * required string (query)	<input type="text" value="Newman"/>
address * required string (query)	<input type="text" value="Test Place"/>

II. Output

```
],
{
  "customerID": 2,
  "firstName": "John",
  "lastName": "Doe",
  "address": "A Bridge"
},
{
  "customerID": 3,
  "firstName": "Space",
  "lastName": "Mann",
  "address": "Rocket"
},
{
  "customerID": 4,
  "firstName": "aaaa",
  "lastName": "bb",
  "address": "c"
},
{
  "customerID": 5,
  "firstName": "Aaron",
  "lastName": "Newman",
  "address": "Test Place"
}
]
```


II. Get All Customers

I. Output

```
    },
    {
      "customerID": 2,
      "firstName": "John",
      "lastName": "Doe",
      "address": "A Bridge"
    },
    {
      "customerID": 3,
      "firstName": "Space",
      "lastName": "Mann",
      "address": "Rocket"
    },
    {
      "customerID": 4,
      "firstName": "aaaa",
      "lastName": "bb",
      "address": "c"
    },
    {
      "customerID": 5,
      "firstName": "Aaron",
      "lastName": "Newman",
      "address": "Test Place"
    }
  ]
}
```

III. Get A Customer

I. Input

GET /customers/{customerID} Get Customer by ID

Get Customer by ID

Parameters

Name	Description
customerID * required	ID of Customer to Find
integer (\$int32) (path)	<input type="text" value="5"/>

II. Output

Response body

```
{
  "customerID": 5,
  "firstName": "Aaron",
  "lastName": "Newman",
  "address": "Test Place"
}
```

IV. Put in Customer

I. Input

PUT `/customers` Update a Customer

Update a Customer

Parameters

No parameters

Request body required

```
{
  "customerID": 5,
  "firstName": "Bill",
  "lastName": "Newman",
  "address": "Tested Place"
}
```

II. Output

```
{
  "customerID": 5,
  "firstName": "Bill",
  "lastName": "Newman",
  "address": "Tested Place"
}
```

V. Delete a Customer

I. Input

DELETE `/customers/{customerID}` Delete a Customer

Delete a Customer

Parameters

Name	Description
customerID * required <code>integer (\$int32)</code> (path)	ID of Customer to Delete

II. Output

```
[
  {
    "customerID": 1,
    "firstName": "Bob",
    "lastName": "Dole",
    "address": "A House"
  },
  {
    "customerID": 2,
    "firstName": "John",
    "lastName": "Doe",
    "address": "A Bridge"
  },
  {
    "customerID": 3,
    "firstName": "Space",
    "lastName": "Nann",
    "address": "Rocket"
  },
  {
    "customerID": 4,
    "firstName": "aaa",
    "lastName": "bb",
    "address": "c"
  }
]
```

IV. CRUD – Toy

I. Post Toy

I. Input

POST /toys Add a Toy	
Add a Toy	
Parameters	
Name	Description
description * required string (query)	<input type="text" value="Test Toy"/>
price * required integer(\$int32) (query)	<input type="text" value="10"/>

II. Output

```
},
{
  "toyID": 2,
  "description": "Ball",
  "price": 2
},
{
  "toyID": 3,
  "description": "Cat",
  "price": 5
},
{
  "toyID": 4,
  "description": "Rope",
  "price": 2
},
{
  "toyID": 5,
  "description": "kong",
  "price": 5
},
{
  "toyID": 6,
  "description": "Test Toy",
  "price": 10
}
]
```

II. Get Toys

I. Output

```
},
{
  "toyID": 2,
  "description": "Ball",
  "price": 2
},
{
  "toyID": 3,
  "description": "Cat",
  "price": 5
},
{
  "toyID": 4,
  "description": "Rope",
  "price": 2
},
{
  "toyID": 5,
  "description": "kong",
  "price": 5
},
{
  "toyID": 6,
  "description": "Test Toy",
  "price": 10
}
]
```

III. Get A Toy

I. Input

GET `/toys/{toyID}` Get Toy by ID

Get Toy by ID

Parameters

Name	Description
toyID * required <code>integer(\$int32)</code> (path)	ID of Toy to Find

II. Output

Response body

```
{
  "toyID": 6,
  "description": "Test Toy",
  "price": 10
}
```

IV. Put in Toy

I. Input

PUT

/toys Update a Toy

Update a Toy

Parameters

Name	Description
toyID * required integer(\$int32) (path)	<input type="text" value="6"/>

Request body **required**

```
{  
  "toyID": 6,  
  "description": "Changed Toy",  
  "price": 5  
}
```

II. Output

```
500
```

Error: response status is 500

Response body

```
{
  "timestamp": "2021-12-05T07:54:25.909+00:00",
  "status": 500,
  "error": "Internal Server Error",
  "trace": "org.springframework.web.bind.MissingPathVariableVariableMethodArgumentResolver.handleMissingValue(PathVariable)"
}
```

V. Delete a Toy

I. Input

DELETE `/toys/{ToyID}` Delete a Toy

Delete a Toy

Parameters

Name	Description
ToyID * required <code>integer(\$int32)</code> (path)	ID of Toy to Delete

6

II. Output

```
{
  "toyID": 1,
  "description": "Frisbee",
  "price": 5
},
{
  "toyID": 2,
  "description": "Ball",
  "price": 2
},
{
  "toyID": 3,
  "description": "Cat",
  "price": 5
},
{
  "toyID": 4,
  "description": "Rope",
  "price": 2
},
{
  "toyID": 5,
  "description": "kong",
  "price": 5
}
}
```

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V. CRUD – Order

These all produce a 500 error due to a column mismatch in the Order class compared to the database.

I. Post an Order

II. Get All Orders

III. Get An Order

IV. Update an Order

V. Delete an Order