

Web API Documentation for Saxy-Repair-Tracker

<http://localhost:8080/saxophone>

<u>Http Verb Method</u>	<u>Endpoint</u>	<u>Description</u>
GET	/customer	READ: Gets all customers and returns them.
GET	/customer/{first_name & last_name}	READ: Gets a customer given the first and last name.
GET	/customer/{first_name}	READ: Gets a specific customer or list of customers all that match the given first name.
POST	/customer	CREATE: Creates a new customer with a given first name, last name, and phone number.
PUT	/customer	UPDATE: Goes in via with the customer primary key and updates everything else associated with a customer (first name, last name, phone number).

<u>Http Verb Method</u>	<u>Endpoint</u>	<u>Description</u>
GET	/saxophones	READ: Gets all saxophones and returns them.
GET	/saxophones/{type}	READ: Gets all saxophones that are of the entered saxophone type and returns them.
GET	/saxophones/{customer_fk}	READ: Gets the saxophones that are associated with a particular customer via the customer's foreign key.
POST	/saxophones	CREATE: Creates a brand new saxophone within the database.
PUT	/saxophones	UPDATE: Updates a saxophone via the saxophones assigned saxophone primary key.

<u>Http Verb Method</u>	<u>Endpoint</u>	<u>Description</u>
GET	/servicelineitem	READ: Gets all of the Service Line Items and returns them.
GET	/servicelineitem/{service_ticket_fk}	READ: Gets all of the Service Line Items associated with a single ticket and returns them.
POST	/servicelineitem	CREATE: Creates a Service Line Item.
PUT	/servicelineitem	UPDATE: Goes in and update a single Service Line Item via the Service Line Item's Primary key.

<u>Http Verb Method</u>	<u>Endpoint</u>	<u>Description</u>
GET	/serviceTickets	READ: Returns a Service Ticket By Status.
GET	/serviceTickets/all	READ: Returns all Service Tickets
DELETE	/serviceTickets/servicePK	DELETE: Deletes a service ticket with a service primary key given.

POST	/serviceTickets/Create	CREATE: Creates a service ticket with a given customer foreign key, description, status, estimated cost, and actual cost.
PUT	/serviceTickets	UPDATE: Goes in via with the service ticket primary key and updates everything else associated with a service ticket (customer foreign key, description, status, estimated cost, and actual cost).

<u>Http Verb Method</u>	<u>Endpoint</u>	<u>Description</u>
GET	/serviceLineItemStatus/all	READ: Gets all of the Service Line Item Statuses and returns them.
GET	/serviceLineItemStatus	READ: Gets the Service Line Item Statuses associated with a single ticket primary key and service foreign key then returns them.
POST	/serviceLineItemStatus	CREATE: Creates a Service Line Item Status given a service

		foreign key, line item foreign key, and updates.
PUT	/serviceLineItemStatus	UPDATE: Goes in and updates a single Service Line Item Status via the Service Line Item Statuses Primary key.

<u>Http Verb Method</u>	<u>Endpoint</u>	<u>Description</u>
GET	/employees	READ: Returns an employee by first name and last name.
GET	/employees/all	READ: Returns all employees
DELETE	/employees/employeePK	DELETE: Deletes an employee with an employee primary key given.
POST	/employees/Create	CREATE: Creates an employee with a given first name, last name and pay rate.
PUT	/employees	UPDATE: Goes in via with the employee primary key and updates everything else associated with a service ticket

		(first name, last name and pay rate.)
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default-service-ticket-controller

GET `/serviceTickets` Returns a Service Ticket By Status

PUT `/serviceTickets` Returns an updated ServiceTicket

POST `/serviceTickets/Create` Returns a new Service Ticket

GET `/serviceTickets/all` Returns all Service Tickets

DELETE `/serviceTickets/servicePK` Deletes an Service Ticket

Name	Description
Status ()	The Status (i.e., 'Awaiting_Arrival') <div>Status</div>
status string (query)	<div>AWAITING_ARRIVAL</div>
<div>Execute</div>	
Responses	
Curl <pre>curl -X 'GET' \ 'http://localhost:8080/serviceTickets?status=AWAITING_ARRIVAL' \ -H 'accept: application/json'</pre>	
Request URL <pre>http://localhost:8080/serviceTickets?status=AWAITING_ARRIVAL</pre>	
Server response	
Code	Details
200	Response body <pre>[{ "servicePK": 3, "customerFK": 5, "description": "Broken", "status": "AWAITING_ARRIVAL", "estimatedCost": 75, "actualCost": null }]</pre>

POST**/serviceTickets/Create** Returns a new Service Ticket

Returns a Service Ticket given a first and last name

Parameters

Name	Description
customerFK * required integer(\$int32) (query)	The customer id (i.e., '1,2,3') <input type="text" value="5"/>
description * required string (query)	The description (i.e., 'Reason they came there') <input type="text" value="Rage quit with saxophone"/>
status * required string (query)	A status (i.e., 'AWAITING_ARRIVAL etc') <input type="text" value="WAITING_FOR_REPAIR"/>
estimatedCost * required number (query)	estimatedCost (i.e., '135') <input type="text" value="130"/>
actualCost * required number (query)	actual Cost can be null (i.e., '152') <input type="text" value="145"/>

Server response	
Code	Details
201	<div>Response body<pre>{ "servicePK": 7, "customerFK": 5, "description": "Rage quit with saxophone", "status": "WAITING_FOR_REPAIR", "estimatedCost": 130, "actualCost": 145 }</pre></div> <div>Response headers</div>

Get all method

Response body

```
[
  {
    "servicePK": 1,
    "customerFK": 4,
    "description": "things are sticking",
    "status": "WAITING_FOR_REPAIR",
    "estimatedCost": 45,
    "actualCost": null
  },
  {
    "servicePK": 2,
    "customerFK": 3,
    "description": "needs new pads",
    "status": "BEING_REPAIRED",
    "estimatedCost": 85,
    "actualCost": null
  },
  {
    "servicePK": 3,
    "customerFK": 5,
    "description": "Broken",
    "status": "AWAITING_ARRIVAL",
    "estimatedCost": 75,
    "actualCost": null
  },
  {
    "servicePK": 4,
    "customerFK": 6,
```

Response body

```
"description": "key fell off",
"status": "WAITING_FOR_PARTS",
"estimatedCost": 90,
"actualCost": null
},
{
  "servicePK": 5,
  "customerFK": 7,
  "description": "cleaning",
  "status": "PICKED_UP",
  "estimatedCost": 25,
  "actualCost": 25
},
{
  "servicePK": 6,
  "customerFK": 1,
  "description": "key bent fell off",
  "status": "READY_FOR_PICKUP",
  "estimatedCost": 85,
  "actualCost": 115
},
{
  "servicePK": 7,
  "customerFK": 5,
  "description": "Rage quit with saxophone",
  "status": "WAITING_FOR_REPAIR",
  "estimatedCost": 130,
  "actualCost": 145
},
]
```

default-service-line-item-status-controller

GET `/serviceLineItemStatus` Returns a Service Ticket Line Status

PUT `/serviceLineItemStatus` Returns an updated Service Ticket Line Item Status

POST `/serviceLineItemStatus` Returns a new Service Ticket Line Item Status

GET `/serviceLineItemStatus/all` Returns all Service Ticket Line Statuses

GET `/serviceLineItemStatus` Returns a Service Ticket Line Status

Returns a Service Ticket Line Status given a updatePK and serviceFK

Parameters

Name	Description
------	-------------

updatePK integer(\$int32) (query)	The updatePK (i.e., '1,2,3')
---	------------------------------

serviceFK integer(\$int32) (query)	The serviceFK (i.e., '1,2,3')
--	-------------------------------

Execute

Curl

```
curl -X 'GET' \
  'http://localhost:8080/serviceLineItemStatus?updatePK=1&serviceFK=1' \
  -H 'accept: application/json'
```

Request URL

```
http://localhost:8080/serviceLineItemStatus?updatePK=1&serviceFK=1
```

Server response

Code

Details

200

Response body

```
[
  {
    "updatePK": 1,
    "serviceFK": 1,
    "lineItemFK": 1,
    "updates": "updated test",
    "updateTime": "2021-10-08T20:48:58.000+00:00"
  }
]
```

Response headers

```
connection: keep-alive
content-type: application/json
date: Fri, 08 Oct 2021 22:01:37 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Response

POST**/serviceLineItemStatus** Returns a new Service Ticket Line Item Status

Returns a Service Ticket Line Item Status

Parameters

Name	Description
------	-------------

serviceFK * requiredinteger(\$int32)
(query)

The serviceFK (i.e., '1,2,3')

linelItemFK * requiredinteger(\$int32)
(query)

The linelItemFK (i.e., '1,2,3')

updates * requiredstring
(query)

Update comment (i.e., 'Completed key replacement')

Execute**Responses**

Curl

```
curl -X 'POST' \
  'http://localhost:8080/serviceLineItemStatus?serviceFK=3&lineItemFK=3&updates=Trying%20my%20best%20not%20to%20overload%20this%20with%20ss' \
  -H 'accept: application/json' \
  -d ''
```

Request URL

http://localhost:8080/serviceLineItemStatus?serviceFK=3&lineItemFK=3&updates=Trying%20my%20best%20not%20to%20overload%20this%20with%20ss

Server response

Code	Details
------	---------

201

Response body

```
{
  "updatePK": 3,
  "serviceFK": 3,
  "lineItemFK": 3,
  "updates": "Trying my best not to overload this with ss",
  "updateTime": null
}
```

Response headers

```
connection: keep-alive
content-type: application/json
date: Fri,08 Oct 2021 22:02:51 GMT
keep-alive: timeout=60
transfer-encoding: chunked
```

Responses

Code	Description
------	-------------

GET /serviceLineItemStatus/all Returns all Service Ticket Line Statuses

Returns a List of Service Ticket Line Statuses

Parameters

No parameters

Execute

Responses

200

Response body

```
[
  {
    "updatePK": 1,
    "serviceFK": 1,
    "lineItemFK": 1,
    "updates": "updated test",
    "updateTime": "2021-10-08T20:48:58.000+00:00"
  },
  {
    "updatePK": 2,
    "serviceFK": 2,
    "lineItemFK": 2,
    "updates": "@nd update without the updatepk",
    "updateTime": "2021-10-08T21:12:28.000+00:00"
  },
  {
    "updatePK": 3,
    "serviceFK": 3,
    "lineItemFK": 3,
    "updates": "Trying my best not to overload this with ss",
    "updateTime": "2021-10-08T22:02:51.000+00:00"
  }
]
```

Response headers

default-employee-controller

GET **/employees** Returns a Employee

PUT **/employees** Returns an updated Employee

POST **/employees** Returns a new Employee

GET **/employees/all** Returns all Employees

DELETE **/employees/employeePK** Deletes an Employee

GET **/employees** Returns a Employee

Returns a Employee given a first and last name

Parameters

Name	Description
firstName string (query)	The first name (i.e., 'Jojo')
lastName string (query)	The last name (i.e., 'Mel')

Execute

200

Response body

```
[
  {
    "employeePK": 2,
    "firstName": "John",
    "lastName": "Smith",
    "payRate": 22
  }
]
```

Response headers

POST **/employees** Returns a new Employee

Returns a Employee given a first and last name

Parameters

Name	Description
firstName * required string (query)	The first name (i.e., 'Jojo')
	<input type="text" value="Test"/>
lastName * required string (query)	The last name (i.e., 'Mel')
	<input type="text" value="Testing"/>
payRate * required number (query)	Pay rate (i.e., '15')
	<input type="text" value="22"/>

Execute

201

Response body

```
{
  "employeePK": 8,
  "firstName": "Test",
  "lastName": "Testing",
  "payRate": 22
}
```

Response headers

GET **/employees/all** Returns all Employees

Returns a List of Employees

Parameters

200

Response body

```
[
  {
    "employeePK": 1,
    "firstName": "David",
    "lastName": "Bailey",
    "payRate": 35
  },
  {
    "employeePK": 2,
    "firstName": "John",
    "lastName": "Smith",
    "payRate": 22
  },
  {
    "employeePK": 3,
    "firstName": "Sam",
    "lastName": "James",
    "payRate": 21
  },
  {
    "employeePK": 4,
    "firstName": "Brent",
    "lastName": "Jamie",
    "payRate": 18
  },
  {
    "employeePK": 5,
    "firstName": "Nate",
```

200

Response body

```
[{"lastName": "Jamie",
  "payRate": 18
},
{
  "employeePK": 5,
  "firstName": "Nate",
  "lastName": "Great",
  "payRate": 15
},
{
  "employeePK": 6,
  "firstName": "Alison",
  "lastName": "Abbes",
  "payRate": 25
},
{
  "employeePK": 7,
  "firstName": "Charlie",
  "lastName": "Chop",
  "payRate": 20
},
{
  "employeePK": 8,
  "firstName": "Test",
  "lastName": "Testing",
  "payRate": 22
}
]
```

Response headers

DELETE /employees/employeePK Deletes an Employee

Deletes an Employee given an id

Parameters

Name	Description
employeePK ()	employeePK (i.e., 3)

deleteId * requiredinteger(\$int32)
(query)

Execute

Code	Description
200	Employee was deleted

Media type

application/json

```
{
  "payRate": 18,
},
{
  "employeePK": 5,
  "firstName": "Nate",
  "lastName": "Great",
  "payRate": 15
},
{
  "employeePK": 6,
  "firstName": "Alison",
  "lastName": "Abbes",
  "payRate": 25
},
{
  "employeePK": 7,
  "firstName": "Charlie",
  "lastName": "Chop",
  "payRate": 20
}
}
```

Response headers

Download

Github

<https://github.com/JoleneMel/SaxySaxophoneRepairTracker>