

# User scenarios Screenshots:

## Client database connection successful:

API Database Tester

Client DB Connection Successful

Test Database Connection

User Name \*

CSCI5308\_16\_TEST\_USER

Password \*

\*\*\*\*\*

DB URL \*

jdbc:mysql://db-5308.cs.dal.ca/CSCI5

TEST

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	put	http://csci530...	
2	put	http://csci530...	
3	post	http://csci530...	
4	post	http://csci530...	

Type \*

URL \*

Payload Body

TEST

## Client database connection failed:

API Database Tester

Connection to Client DB failed, please check the credentials again

Test Database Connection

User Name \*

CSCI5308\_16\_TEST\_USE

Password \*

\*\*\*\*\*

DB URL \*

jdbc:mysql://db-5308.cs.dal.ca/CSCI5

TEST

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	put	http://csci530...	
2	put	http://csci530...	
3	post	http://csci530...	
4	post	http://csci530...	

Type \*

URL \*

Payload Body

TEST

## Wrong API URL entered:

API Database Tester

Test Database Connection

User Name \*

CSCI5308\_16\_TEST\_USER

Password \*

.....

DB URL \*

jdbc:mysql://db-5308.cs.dal.ca/CSCI5

TEST >

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	put	http://localho...	✓
2	put	http://localho...	✗
3	get	http://localho...	✗

Type \*

DELETE

URL \*

http://localhost:9191/producerssss/954

Payload Body

Table \*

producers

Primary Key \*

id

value \*

954

TEST >

API Result:

Result	Status Code	Error Message
✗	404	Request url not found

## Testing POST API:

API request and all column tests successful:

API Database Tester

Test Database Connection

User Name \*

CSCI5308\_16\_TEST\_USE

Password \*

.....

DB URL \*

jdbc:mysql://db-5308.cs.dal.ca/CSCI5

TEST > ✗

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	put	http://csci530...	✗
2	put	http://csci530...	✓
3	post	http://csci530...	✗
4	post	http://csci530...	✓
5	post	http://localho...	✗

Type \*

POST

URL \*

http://localhost:9191/addProducer

{

"first\_name": "bhushan",

"last\_name": "kumar",

"gender": "m",

"film\_count": 25

}

Table \*

producers

Primary Key \*

id

value \*

Column \*

first\_name

value \*

bhushan

Column \*

last\_name

value \*

kumar

Column \*

film\_count

value \*

25

+

TEST >

API Result:

Result	Status Code	Error Message
✓	200	Request Successful

Database Result:

Result	Column	Expected Value	Actual Value
✓	first_name	bhushan	bhushan
✓	last_name	kumar	kumar
✓	film_count	25	25

API request successful but some/all columns tests failed:

API Database Tester

Test Database Connection

User Name: CSCI5308\_16\_TEST\_USER

Password: \*\*\*\*\*

DB URL: jdbc:mysql://db-5308.cs.dal.ca/CSCI5

TEST >

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	post	http://localho...	✓
2	put	http://csci530...	✗
3	put	http://csci530...	✓
4	post	http://csci530...	✗
5	post	http://csci530...	✓

Type: POST

URL: http://localhost:9191/addProducer

```
{  "first_name": "bhushan",  "last_name": "kumar",  "gender": "m",  "film_count": 25}
```

Table: producers

Primary Key: id

Column: first\_name, value: bhushan

Column: last\_name, value: jain

Column: film\_count, value: 25

TEST >

API Result:

Result	Status Code	Error Message
✓	200	Request Successful

Database Result:

Result	Column	Expected Value	Actual Value
✓	first_name	bhushan	bhushan
✗	last_name	jain	kumar
✓	film_count	25	25

## Testing PUT API:

API request and all column tests successful:

API Database Tester

Test Database Connection

User Name: CSCI5308\_16\_TEST\_USER

Password: \*\*\*\*\*

DB URL: jdbc:mysql://db-5308.cs.dal.ca/CSCI5

TEST >

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	get	http://localho...	✗
2	get	http://localho...	✓
3	post	http://localho...	✗
4	post	http://localho...	✗
5	post	http://localho...	✓

Type: PUT

URL: http://localhost:9191/updateProducer

```
{  "id": 954,  "first_name": "gulshan",  "last_name": "kumar",  "gender": "m",  "film_count": 27}
```

Table: producers

Primary Key: id

Column: first\_name, value: gulshan

Column: last\_name, value: kumar

Column: film\_count, value: 27

TEST >

API Result:

Result	Status Code	Error Message
✓	200	Request Successful

Database Result:

Result	Column	Expected Value	Actual Value
✓	first_name	gulshan	gulshan
✓	last_name	kumar	kumar
✓	film_count	27	27

API request successful but some/all columns tests failed:

API Database Tester

Test Database Connection

User Name: CSCIS308\_16\_TEST\_USER

Password: \*\*\*\*\*

DB URL: jdbc:mysql://db-5308.cs.dal.ca/CSCIS5

TEST >

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	get	http://localho...	✗
2	get	http://localho...	✓
3	post	http://localho...	✗
4	post	http://localho...	✗
5	post	http://localho...	✓

Type: PUT

URL: http://localhost:9191/updateProducer

```
{  "id": 954,  "first_name": "gulshan",  "last_name": "kumar",  "gender": "m",  "film_count": 27}
```

Table: producers

Primary Key: id

Column: first\_name

Column: last\_name

Column: film\_count

value: 954

value: bhushan

value: kumar

value: 25

TEST >

API Result:

Result	Status Code	Error Message
✓	200	Request Successful

Database Result:

Result	Column	Expected Value	Actual Value
✗	first_name	bhushan	gulshan
✓	last_name	kumar	kumar
✗	film_count	25	27

## Testing GET API:

API request and all column tests successful:

API Database Tester

Test Database Connection

User Name: CSCIS308\_16\_TEST\_USER

Password: \*\*\*\*\*

DB URL: jdbc:mysql://db-5308.cs.dal.ca/CSCIS5

TEST >

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	post	http://localho...	✗
2	post	http://localho...	✗
3	post	http://localho...	✓
4	put	http://csci530...	✗
5	put	http://csci530...	✓

Type: GET

URL: http://localhost:9191/producers/954

Payload Body

Table: producers

Primary Key: id

Column: first\_name

Column: last\_name

Column: film\_count

value: 954

value: bhushan

value: kumar

value: 25

TEST >

API Result:

Result	Status Code	Error Message
✓	200	Request Successful

Database Result:

Result	Column	Expected Value	Actual Value
✓	first_name	bhushan	bhushan
✓	last_name	kumar	kumar
✓	film_count	25	25

API request successful but some/all columns tests failed:

Test Database Connection

User Name \*  
CSCI5308\_16\_TEST\_USER

Password \*  
\*\*\*\*\*

DB URL \*  
jdbc:mysql://db-5308.cs.dal.ca/CSCI5

TEST >

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	post	http://localho...	✗
2	post	http://localho...	✗
3	post	http://localho...	✓
4	put	http://csci530...	✗
5	put	http://csci530...	✓

Type \*  
GET

URL \*  
http://localhost:9191/producers/954

Payload Body

Table \*  
producers

Primary Key \*  
id

value \*  
954

Column \*  
first\_name

value \*  
bhushan

Column \*  
last\_name

value \*  
jain

Column \*  
film\_count

value \*  
25

+

TEST >

API Result:

Result	Status Code	Error Message
✓	200	Request Successful

Database Result:

Result	Column	Expected Value	Actual Value
✓	first_name	bhushan	bhushan
✗	last_name	jain	kumar
✓	film_count	25	25

## Testing DELETE API:

API request and all column tests successful:

Test Database Connection

User Name \*  
CSCI5308\_16\_TEST\_USER

Password \*  
\*\*\*\*\*

DB URL \*  
jdbc:mysql://db-5308.cs.dal.ca/CSCI5

TEST >

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	put	http://localho...	✓
2	put	http://localho...	✗
3	get	http://localho...	✗

Type \*  
DELETE

URL \*  
http://localhost:9191/producer/954

Payload Body

Table \*  
producers

Primary Key \*  
id

value \*  
954

TEST >

API Result:

Result	Status Code	Error Message
✓	200	Request Successful

API request failed as id to deleted does not exist:

API Database Tester

Test Database Connection

User Name \*

CSCI5308\_16\_TEST\_USER

Password \*

.....

DB URL \*

jdbc:mysql://db-5308.cs.dal.ca/CSCI5

TEST >

Type \*

DELETE

URL \*

http://localhost:9191/producer/951

Payload Body

Table \*

producers

Primary Key \*

id

value \*

951

TEST >

+ ADD NEW TESTCASE

No	Request Type	Url	Pass
1	delete	http://localho...	✗
2	delete	http://localho...	✓
3	put	http://localho...	✓

API Result:

Result	Status Code	Error Message
✗	404	Request url not found

## Test history list:

17	delete	http://localho...	✓	
18	delete	http://localho...	✗	
19	put	http://localho...	✓	
20	put	http://localho...	✗	
21	put	http://localho...	✗	