

Test Plan

PT: Positive test

NT: Negative test

Local/Server/API Address: localhost:8080/Staff		
Browser Name: Chrome Version 110.0.5481.180 (Official Build) (64-bit)		
Device: Desktop		
Test No	Date	Purpose/Type of test Test Condition
1	23/04/2023	Ensure that the management tab contains the original three records.
2	23/04/2023	Ensure that staff can be retrieved using their management number.

3	24/04/2023	Ensure that a new staff member can be added.
4	25/04/2023	Ensure that a staff member can be updated.

5

26/04/2023

Ensure a staff member can be deleted.

Version No: 1.0			
Tester name: Ryan Mckee			
Endpoint/Input	Expected output	Candidate For Automation	Test Case
<u>1.1.</u> GET:/get_all_staff PT	<u>1.1</u> status code 200 returned and 3 rows returned and that the records contain the correct employees PT	Yes	
<u>2.1.</u> GET: /get-staff/1 PT <u>2.2.</u> GET: /get-staff/3 PT <u>2.3.</u> GET: /get-staff/0 NT <u>2.4.</u> GET: /get-staff/4 NT <u>2.5.</u> GET: /get-staff/test NT	<u>2.1.</u> status code 200 should be returned with managerNumber: 1, forename: Mary, surname: Bloggs and deptNumber: 111. <u>2.2.</u> status code 200 should be returned with managerNumber 3, forename: Pat, surName: Smith and deptNumber 111. <u>2.3.</u> 500 response code returned (internal server error indicating that 0 id does not exist in database. <u>2.4</u> Response code should be 500 indicating an internal server error due to staff with managerNumber 4 not existing in the database. <u>2.5.</u> 400 response bad request showing that the datatype is incorrect for tha path variable.	Yes	

<p>3.1. POST: /add-new-staff-member PT</p> <p><u>Request Body:</u></p> <pre>{ "forename": "Andreas", "surname": "Ineista", "deptNumber": 592 }</pre> <p>3.2. POST: /add-new-staff-member NT</p> <p><u>Request body:</u></p> <pre>{ "forename": "Simon", "deptNumber": 592 }</pre>	<p>3.1. Response code should be 200 and record number should be updated by 1 and should have the correct data.</p> <p>3.2. Response code should be 500 representing an internal server error due to request body not containing all required data</p>	<p>Yes</p>
<p>4.1. PUT: /update-staff/4 PT</p> <p><u>Request body:</u></p> <pre>{ "forename": "Cassien", "surname": "Andor", "deptNumber": 501 }</pre> <p>4.2. PUT: /update-staff/4 NT</p> <p><u>Request body:</u></p> <pre>{ "forename": "Michael", "surname": "Schumacer", }</pre> <p>4.3. PUT: /update-staff/20 NT</p> <p><u>Request body:</u></p> <pre>{ "forename": "Cassien", "surname": "Andor", "deptNumber": 501 }</pre>	<p>4.1. Response code: 200 and record 4 should be updated with request body information.</p> <p>4.2. Response code: 500 internal server error as not all information given in request body to perform the put operation.</p> <p>4.3. Response code: 500 internal server error as pathVariable in the get request contains a manager id that does not exist in the database.</p>	<p>Yes</p>

5.1. DELETE: /delete-staff/4 **PT**
5.2. DELETE: /detete-staff/5 **NT**

<u>5.1.</u> Response code should be 200 and record number should be 1 less than before. <u>5.2.</u> Response code 500 should be returned at no record with 5 manager id exists.	Yes
--	-----

