Test Charter 1

Time	Reporter	Туре	Content	Screenshot
7:23 PM 10/22/2020	Daniel Wu	Session Reporters	Steven Luu - 260866167 (steven.luu@mail.mcgill.ca) Daniel Wu - 260863330 (daniel.wu@mail.mcgill.ca)	
7:23 PM 10/22/2020	Daniel Wu	Session Tester	Steven Luu	
7:24 PM 10/22/2020	Daniel Wu	Session Charter	Identify documented and undocumented "rest api todo list manager" capabilities. Exercise each capability identified with data typical to the intended use of the application.	
7:24 PM 10/22/2020	Daniel Wu	Setup	Windows 10 64-bit Postman v7.34.0	
7:24 PM 10/22/2020	Daniel Wu	Note	Start rest api todo list manager	
7:25 PM 10/22/2020	Daniel Wu	Command	GET todos http://localhost:4567/todos	

7:25 PM	Daniel	Result	Success	1 {
10/22/2020	Wu			2 "todos": [
				3 {
				4 "id": "2",
				5 "title": "file paperwork",
				6 "doneStatus": "false",
				7 "description": "",
				8 "tasksof": [
				9 {
				10 "id": "1"
				11
				13 },
				14 {
				15 "id": "1",
				16 "title": "scan paperwork",
				17 "doneStatus": "false",
				18 "description": "",
				19 "categories": [
				20 {
				21 "id": "1" 22 }
				22
				24 "tasksof": [
				25 {
				26 "id": "1"
				27 }
				28]
				29 }
				30 1
				31 }

7:26 PM 10/22/2020	Daniel Wu	Command	HEAD todos http://localhost:4567/todos		
7:26 PM 10/22/2020	Daniel Wu	Result	Success	Body Copkies Headers (4) Test Results KEY Date © Content-Type © Transfer-Encoding © Server ©	© Status: 200 OK Time: 8 ms Size: 147.8 Save Response ▼ VALUE Fri, 23 Oct 2020 17:22:13 GMT application/json chunked Jetty(9.4.z SNAPSHOT)
7:26 PM 10/22/2020	Daniel Wu	Command	POST todos http://localhost:4567/todos	1 {	False, "",

7:27 PM	Daniel	Result	Suggess	1 7
10/22/2020	Wu	resuit	Success GET todos	1 {
10/22/2020	VV u		GL1 todos	3 {
				4 "id": "2",
				5 "title": "file paperwork",
				6 "doneStatus": "false",
				7 "description": "", 8 "tasksof": [
				9 {
				10 "id": "1"
				11 }
				12]]
				13 },
				14 { 15 "id": "8",
				16 "title": "work work",
				17 "doneStatus": "false",
				18 "description": "",
				19 "tasksof": [
				20 {
				21 "id": "1"
				22 }
				24 },
				25 {
				26 "id": "1",
				27 "title": "scan paperwork",
				28 "doneStatus": "false",
				<pre>"description": "", "categories": [</pre>
				31 {
				32 "id": "1"
				33 }
				34],
				35 "tasksof": [
				36 { 37 "id": "1"
				38 }
				39]
				40 }
				41]
				42 🖟

7:28 PM 10/22/2020	Daniel Wu	Command	GET /todos/:id http://localhost:4567/todos/1	
7:28 PM 10/22/2020	Daniel Wu	Result	Success	<pre>1</pre>
7:29 PM 10/22/2020	Daniel Wu	Command	HEAD /todos/:id http://localhost:4567/todos/1	
7:30 PM 10/22/2020	Daniel Wu	Result	Success	Body Cookies Headers (4) Test Results Rev

7:31 PM 10/22/2020	Daniel Wu	Command	POST /todos/:id http://localhost:4567/todos/1	1 { "doneStatus": true, 3
7:31 PM 10/22/2020	Daniel Wu	Result	Success	<pre>"id": "1", "title": "scan paperwork", "doneStatus": "true", "description": "this is paper work", "categories": [</pre>

7:32 PM 10/22/2020	Daniel Wu	Command	PUT /todos/:id http://localhost:4567/todos/2	1 { 2 "title": "paperwork file", 3 "description": "this is paper work" 4 }
7:33 PM 10/22/2020	Daniel Wu	Result	Failure Removed relationship between task id 2 and project id 1	<pre>1 { 2 "id": "2", 3 "title": "paperwork file", 4 "doneStatus": "false", 5 "description": "this is paper work" 6 }</pre>
7:33 PM 10/22/2020	Daniel Wu	Command	DELETE /todos/:id http://localhost:4567/todos/2	
7:34 PM 10/22/2020	Daniel Wu	Result	Successfully deleted GET http://localhost:4567/todos/2	1
7:34 PM 10/22/2020	Daniel Wu	Command	GET /todos/:id/categories http://localhost:4567/todos/2/categories	

7:34 PM 10/22/2020	Daniel Wu	Result	Success	<pre>1 { 2 "categories": [3</pre>	
7:35 PM 10/22/2020	Daniel Wu	Command	HEAD /todos/:id/categories http://localhost:4567/todos/2/categories		
7:35 PM 10/22/2020	Daniel Wu	Result	Success	Body Cookies Headers (4) Text Results KEY Date Content-Type Transfer-Encoding Server Server	## Status: 200 OK Time: 5 ms Size: 147 B Save Response > VALUE Fri, 23 Oct 2020 17:41:28 GMT application/joon chunked [etty(9.4.z-SNAPSHOT)]
7:37 PM 10/22/2020	Daniel Wu	Command	POST /todos/:id/categories http://localhost:4567/todos/2/categories	1 { 2	om Home"

7:38 PM 10/22/2020	Daniel Wu	Result	Success	1 {
7:39 PM 10/22/2020	Daniel Wu	Command	DELETE /todos/:id/categories/:id http://localhost:4567/todos/1/categori es/3	
7:39 PM 10/22/2020	Daniel Wu	Result	Success	<pre>1</pre>
7:40 PM 10/22/2020	Daniel Wu	Command	GET /projects http://localhost:4567/projects	

7:41 PM 10/22/2020	Daniel Wu	Result	Success	<pre>1</pre>	
7:42 PM 10/22/2020	Daniel Wu	Command	HEAD /projects http://localhost:4567/projects		
7:42 PM 10/22/2020	Daniel Wu	Result	Success	Body Cookies Headers (4) Test Results KEY Date ① Content-Type ② Transfer-Encoding ① Server ③	

7:42 PM 10/22/2020	Daniel Wu	Command	POST /projects http://localhost:4567/projects	1 { 2 "title": "Exploratory Testing Report" 3 }
7:43 PM 10/22/2020	Daniel Wu	Result	Success	<pre>"id": "2", "title": "Exploratory Testing Report", "completed": "false", "active": "false", "description": "" """</pre>
7:43 PM 10/22/2020	Daniel Wu	Command	GET /todos/:id/tasksof http://localhost:4567/todos/1/tasksof	

7:44 PM 10/22/2020	Daniel Wu	Result	Success	<pre>"projects": [</pre>	
7:44 PM 10/22/2020	Daniel Wu	Command	HEAD /todos/:id/tasksof http://localhost:4567/todos/1/tasksof		
7:44 PM 10/22/2020	Daniel Wu	Result	Success	Body Cookies Headers (4) Text Results KEY Date Content-Type Transfer-Encoding Server Server	⊕ Status: 200 OK Time: 3 ms Size: 147 8 Save Response ▼ VALUE Frt, 23 Oct. 2020 17:47:59 GMT application/pon chunked Jetsyl 9.4.z-SNAPSHOT)

Daniel Wu POST /todos/:id/tasksof http://localhost:4567/todos/1/tasksof 1 2 3 "id": "2"	
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Daniel Wu	Result	Success GET http://localhost:4567/todos/1/tasksof	<pre>1</pre>
			14 15 16 17 18 18 19 19 20 21 21 22 23 24 23 24 25 26 26 27 28 29 30] 31 }

7:46 PM 10/22/2020	Daniel Wu	Command	DELETE /todos/:id/tasksof/:id http://localhost:4567/todos/1/tasksof/ 1	
7:46 PM 10/22/2020	Daniel Wu	Result	Success GET http://localhost:4567/todos/1/tasksof	<pre>"projects": ["id": "2", "title": "Exploratory Testing Report", "completed": "false", "active": "false", "description": "", "tasks": [</pre>
7:47 PM 10/22/2020	Daniel Wu	Command	GET /projects/:id http://localhost:4567/projects/1	

7:47 PM 10/22/2020	Daniel Wu	Result	Success	<pre>projects": [projects": ["id": "1", "title": "Office Work", "completed": "false", "active": "false", "description": "", "tasks": [{</pre>
7:47 PM 10/22/2020	Daniel Wu	Command	HEAD /projects/:id http://localhost:4567/projects/1	
7:48 PM 10/22/2020	Daniel Wu	Result	Success	Body Cookes Headers (4) Text Results Status: 200 OK Time: 3 ms Size 147 B Save Response v

7:48 PM 10/22/2020	Daniel Wu	Command	POST /projects/:id http://localhost:4567/projects/1	1 {
7:48 PM 10/22/2020	Daniel Wu	Result	Success	<pre>1 { 2 "id": "1", 3 "title": "Office Work pt.2", 4 "completed": "false", 5 "active": "false", 6 "description": "", 7 "tasks": [8</pre>
7:49 PM 10/22/2020	Daniel Wu	Command	PUT /projects/:id http://localhost:4567/projects/1	1 { "description": "This is Office Work" 3 }

7:49 PM 10/22/2020	Daniel Wu	Result	Failure Removed relationship between project id 1 and task id 1	<pre>"id": "1", "title": "", "completed": "false", "active": "false", "description": "This is Office Work" "]</pre>
7:49 PM 10/22/2020	Daniel Wu	Command	DELETE /projects/:id http://localhost:4567/projects/1	
7:51 PM 10/22/2020	Daniel Wu	Result	Success GET http://localhost:4567/projects	<pre>"projects": [</pre>

7:51 PM 10/22/2020	Daniel Wu	Command	GET /projects/:id/tasks http://localhost:4567/projects/2/tasks	
7:52 PM 10/22/2020	Daniel Wu	Result	Success	<pre>"todos": [</pre>
7:52 PM 10/22/2020	Daniel Wu	Command	HEAD /projects/:id/tasks http://localhost:4567/projects/2/tasks	

7:52 PM 10/22/2020	Daniel Wu	Result	Success	Body Cookies Headers (4) Text Results KEY Date ③ Content-Type ③ Transfer-Encoding ① Server ①	## Status: 200 OK Time: 6 ms Size: 147.8 Save Response ▼ VALUE Fri, 23 Oct 2020 18:12:28 GMT application/[son chunked [etty(9.4.z-SNAPSHOT)
7:55 PM 10/22/2020	Daniel Wu	Command	POST /projects/:id/tasks http://localhost:4567/projects/2/tasks	1 {	

7:56 PM 10/22/2020	Daniel Wu	Result	Success GET http://localhost:4567/projects/2/tasks	<pre>"todos": [</pre>

7:57 PM 10/22/2020	Daniel Wu	Command	DELETE /projects/:id/tasks/:id http://localhost:4567/projects/2/tasks/ 8	
7:57 PM 10/22/2020	Daniel Wu	Result	Success GET http://localhost:4567/projects/2/tasks	<pre>"todos": [</pre>
7:58 PM 10/22/2020	Daniel Wu	Command	GET /projects/:id/categories http://localhost:4567/projects/2/categ ories	

7:59 PM 10/22/2020	Daniel Wu	Result	Success	1 {
8:00 PM 10/22/2020	Daniel Wu	Command	HEAD /projects/:id/categories http://localhost:4567/projects/2/categ ories	
8:01 PM 10/22/2020	Daniel Wu	Result	Success	Body Cookes Headers (4) Text Results XEV VALUE
8:01 PM 10/22/2020	Daniel Wu	Command	POST /projects/:id/categories http://localhost:4567/projects/2/categ ories	1 {
8:02 PM 10/22/2020	Daniel Wu	Result	Success GET http://localhost:4567/projects/2/categ ories	<pre>1 { 2 "categories": [3</pre>

8:03 PM 10/22/2020	Daniel Wu	Command	DELETE /projects/:id/tasks/:id http://localhost:4567/projects/2/tasks/	1 {
8:03 PM 10/22/2020	Daniel Wu	Result	Success GET http://localhost:4567/projects/2/categ ories	1 { 2 "categories": [] 3 }
8:03 PM 10/22/2020	Daniel Wu	Command	GET categories http://localhost:4567/categories	

8:03 PM 10/22/2020	Daniel Wu	Result	Success	<pre>1</pre>
8:03 PM 10/22/2020	Daniel Wu	Command	HEAD /categories http://localhost:4567/categories	
8:04 PM 10/22/2020	Daniel Wu	Result	Success	Body Cookies Headers (4) Text Results WALUE Date Content-Type Conten

8:04 PM 10/22/2020	Daniel Wu	Command	POST /categories http://localhost:4567/categories	1 ~ { "title" : "Office Work pt. 3" 3 }
8:04 PM 10/22/2020	Daniel Wu	Result	Success	<pre>1 2 "id": "4", 3 "title": "Office Work pt. 3", 4 "description": "" 5 }</pre>
8:05 PM 10/22/2020	Daniel Wu	Command	GET /categories/:id http://localhost:4567/categories/1	
8:06 PM 10/22/2020	Daniel Wu	Result	Success	<pre>1 { 2 "categories": [3</pre>
8:07 PM 10/22/2020	Daniel Wu	Command	HEAD /categories/:id http://localhost:4567/categories/1	

8:07 PM 10/22/2020	Daniel Wu	Result	Success	Body Coolees Headers (4) Test Results KEY Date Octromet-Type (3) Transfer-Encoding (3) Server (3)	◆ Status: 200 OK Time: 3 ms Size: 147 8 Save Response ▼ VALUE Fn, 23 Oct 2020 18:25:14 GMT application/jison chunked letty(9.4.2-SNAPSHOT)
8:07 PM 10/22/2020	Daniel Wu	Command	POST /categories/:id http://localhost:4567/categories/1	1 { 2 "title": "Office W	ork Work"
8:08 PM 10/22/2020	Daniel Wu	Result	Success	1 { 2 "id": "1", 3 "title": "Office Work Work", 4 "description": "" 5 }	
8:09 PM 10/22/2020	Daniel Wu	Command	PUT /categories/:id http://localhost:4567/categories/1	1 {	lork"

8:09 PM 10/22/2020	Daniel Wu	Result	Success	<pre>1 { 2 "id": "1", 3 "title": "Office Work", 4 "description": "" 5 }</pre>
8:10 PM 10/22/2020	Daniel Wu	Command	DELETE /categories/:id http://localhost:4567/categories/1	
8:11 PM 10/22/2020	Daniel Wu	Result	Success GET http://localhost:4567/categories/1	<pre>1 { 2 "errorMessages": [3</pre>
8:11 PM 10/22/2020	Daniel Wu	Command	GET /categories/:id/todos http://localhost:4567/categories/2/tod os	
8:12 PM 10/22/2020	Daniel Wu	Result	Success	1 {
8:12 PM 10/22/2020	Daniel Wu	Command	HEAD /categories/:id/todos http://localhost:4567/categories/2/tod os	

8:12 PM 10/22/2020	Daniel Wu	Result	Success	Body Cookes Headers (4) Test Results Status: 200 OK. Time: 8 ms. Size: 147.8 Save Response v NATY VALUE Date ○ Fn, 23 Oct. 2020 18:28:38 GMT Content-Type ○ application/json Transfer-Encoding ○ chunked Server ○ Jety(9.4.z-SNAPSHOT)
8:14 PM 10/22/2020	Daniel Wu	Command	POST /categories/:id/todos http://localhost:4567/categories/2/tod os	1 {
8:14 PM 10/22/2020	Daniel Wu	Result	Success	<pre>1 { 2 "todos": [3</pre>
8:15 PM 10/22/2020	Daniel Wu	Command	DELETE /categories/:id/todos/:id http://localhost:4567/categories/2/tod os/8	

8:16 PM 10/22/2020	Daniel Wu	Result	Success GET http://localhost:4567/categories/2/tod os	1 {] 2 "todos": [] 3]
8:16 PM 10/22/2020	Daniel Wu	Command	GET /categories/:id/projects http://localhost:4567/categories/2/projects	
8:16 PM 10/22/2020	Daniel Wu	Result	Success	1 { 2 "projects": [] 3 }
8:16 PM 10/22/2020	Daniel Wu	Command	HEAD /categories/:id/projects http://localhost:4567/categories/2/pro jects	
8:16 PM 10/22/2020	Daniel Wu	Result	Success	Body Cookes Headers :4) Text Results KEY WALUE
8:17 PM 10/22/2020	Daniel Wu	Command	POST /categories/:id/projects http://localhost:4567/categories/2/projects	1 {

8:17 PM 10/22/2020	Daniel Wu	Result	Success GET http://localhost:4567/categories/2/projects	2 3 4 5 6 7 8 9 10 11 12 13 14 15	{ "p	<pre>projects": [</pre>
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8:17 PM 10/22/2020	Daniel Wu	Command	DELETE /categories/:id/projects/:id http://localhost:4567/categories/2/projects/2	This site can't be reached localhost refused to connect. Try: Checking the connection Checking the proxy and the firewall ERR_CONNECTION_REFUSED Reload Details
8:18 PM 10/22/2020	Daniel Wu	Result	Success GET http://localhost:4567/categories/2/projects	1 {
8:18 PM 10/22/2020	Daniel Wu	Command	GET /shutdown	
8:18 PM 10/22/2020	Daniel Wu	Result	Success	

Summary of session findings

- All documented "rest api todo list manager" capabilities work as intended except for PUT requests.
- PUT and POST requests for updating either a model or a relationship between models should behave the same as per documentation.
- PUT resets non mandatory fields.

List of concerns identified in session

- IDs are not consistent, some ID seem to be skipped.
- PUT resets non mandatory fields.

List of new testing ideas identified in session

- Test why the IDs are not consistent by creating a script generating sample data.
- Test HTTP protocol speed by generating sample models