# Assignment: ToDo list

We have been learning about using GET and POST communication to interact with API endpoints. In this assignment we will use the $.getJSON and $.post() to implement a simple “to do” list application.

Make note of the following URLs. This “todo” API is written in such a way that it will hold data for 24 hours. Data added to the “to do” list will automatically wash out of the server’s memory after one day. This is by design!

|  |  |
| --- | --- |
| **URL** | **Notes** |
| <https://misdemo.temple.edu/todo/> | Describes the features. |
| <https://misdemo.temple.edu/todo/addtask> | POST to this URL to add a task. You must pass “task” and “task\_owner”. Returns confirmation data in a JSON array. |
| <https://misdemo.temple.edu/todo/tasks> | GET from this URL to retrieve all tasks for a certain name. You must pass “task\_owner” in order to get the tasks for a specific owner. This returns a JSON array. |

Recall the basic structure of the jQuery $.getJSON() method.

$.getJSON( *someurl* , *serialized\_data* , function(data){ } );

Recall the basic structure of the jQuery $.post() method.

$.post( *someurl* , *serialized\_data* , function(data){ } );

## Instructions

1. Starting with mis2402template04.zip, notice that there is a hidden field with an id of “task\_owner” and a value of “Marvin”.

Change “Marvin” to your TUID. The value you specify will be used to differentiate your “to do” list from everyone else’s.

1. Notice the “Add Task” button and the “Refresh Task List” button, already created.
2. Visit the app.js page where all your custom code is located. Complete the click event handlers there.
   1. Write the code necessary to POST data to the addtask endpoint.
   2. When a task is added, show a confirmation message in the <span> tag provided. The message can be “task added OK”
   3. Write the code necessary to GET data from the tasks endpoint. Loop through the data returned by the API and append each task to the existing unordered list.
3. Upload your work to the class server when you are done. Test it!

This assignment will be graded.

**CONTINUED…**

## How will this assignment be graded?

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| Item | Point Value |
| All files / folders uploaded correctly | 10 |
| Wrote the code necessary to POST data to the addtask endpoint. Works. | 30 |
| When a task is added, a confirmation message in the <span> tag is provided. | 30 |
| Wrote the code necessary to GET data from the tasks endpoint. Looped through the data returned by the API and appended each task to the existing unordered list. | 30 |