

TODO List assignment: Use the HTML below

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>Tasks</title>
    <script src="tasks.js"></script>
  </head>
  <body>
    <h1>Tasks</h1>
    <ul id="tasks"></ul>
    <form>
      <input id="task" placeholder = "New Task" type="text">
      <input id="submit" type="submit">
    </form>
  </body>
</html>
```

JavaScript Class Notes

TODO list: Assignment –create JS to accomplish the following:

- query for the submit button and input task field once in the beginning and store those two values in the variables submit and newTask.
- disable the submit button by default. Enable/disable by setting its disabled attribute to false/true.
- Listen for input to be typed into the input field
- Listen for submission of form
- Find the task the user just submitted
- Create a list item for the new task and add the task to it
- Add new element to our unordered list
- At the end of the script, add the line return false. This prevents the default submission of the form which involves either reloading the current page or redirecting to a new one.

Note: create HTML elements using the createElement function. Add the elements to the DOM using the append function.

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ASSIGNMENT 1: INTERNET APPLICATION PROGRAMMING.

UNIT CODE ICS2203.

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ANSWERS

```
document.addEventListener('DOMContentLoaded', function() {

    // query for the submit button and input task field once in the
```

```
beginning

const submit = document.getElementById('submit');

const newTask = document.getElementById('task');

// disable the submit button by default
submit.disabled = true;

// listen for input to be typed into the input field
newTask.addEventListener('input', function() {
    // enable/disable the submit button based on whether the input field
    is empty or not

    submit.disabled = !this.value.trim();
});

// listen for submission of form
const form = document.querySelector('form');
form.addEventListener('submit', function(event) {
    // prevent the default submission of the form
    event.preventDefault();

    // find the task the user just submitted
    const task = newTask.value.trim();

    // create a list item for the new task and add the task to it
    const listItem = document.createElement('li');
    listItem.textContent = task;

    // add new element to our unordered list
    const tasks = document.getElementById('tasks');
    tasks.appendChild(listItem);
```

```
    // clear the input field
    newTask.value = '';

    // disable the submit button again
    submit.disabled = true;
  });
});
```