**Web Developer Project**

**Goal**

Write a task list web application that allows a user to keep track of tasks they need to complete. As a user, I want to add tasks, and mark tasks as complete or incomplete. Include a dashboard that displays metrics about the to do list including number of tasks added, number of tasks marked complete, and number of tasks marked incomplete.

**Acceptance Criteria**

* The form data must be submitted via JS to retrieve and display the to-do list returned by the server. The page should not reload.
* The data should be stored in PHP and only persist for the current session
* When entering a task, a blank entry should result in an error message
* A user should be able to add new tasks
* A task should be incomplete by default when added
* A user should be able to toggle tasks as complete or incomplete
* Using PHP create API endpoints that will return the task list, add tasks to the task list, and mark tasks as complete or incomplete. The PHP endpoints you build should return JSON.
* Include a small dashboard that displays the following items
  + Total number of tasks
  + Number of tasks complete
  + Number of tasks incomplete
* You may use any PHP library you want to create the PHP endpoints. Your code must work using PHP’s built in HTTP server (php -S) and you must provide instructions for starting the server. Your PHP code should work on PHP 5.6 or higher.
* Your code does not need to work in older browsers but should work in the latest stable version of Chrome.
* You may use vanilla JS, jQuery, or any other form of JavaScript

Use the following sample JSON to populate the to-do list initially:

[

{“task”: “Laundry”, “complete”: false},

{“task”: “Take out the Trash”, “complete”: true},

{“task”: “Homework”, “complete”: false}

]

**Submission**

Please submit your finished project in the form of a publicly-accessible Git repository (e.g.

Github or Bitbucket). This should include an index.html where the final results will display.

**Bonus**

Display a bar graph, on the dashboard, with a bar for complete tasks and a bar for incomplete tasks