

Lab2: Create a github repo called 'Lab2' which will be pulled on the due date of 3/2. This is a Dynamic Web Eclipse Java project. This is an individual effort.

Create a Todo system using just like in the Lab 1 however this time instead of using a MYSQL database you will be sending requests via HTTP to a servlet called TodoServlet. To store the todo item you will use a ConcurrentHashMap. This means that everything is stored in memory. Once the server shuts down all data is lost.

- 1.) Both your servlet and client should be on **localhost**.
- 2.) Accept customer commands via System.in.
 - a.) "POST [id] [todo message]" : Stores the string 'todo message' in the servlet with the supplied integer 'id' and the client's timestamp. Do not overwrite any existing values. Return whether it was a success or failure.
 - b.) "GET [id]" : Retrieves and displays the todo message to the console and when it was posted.
 - c.) "GET" : Retrieves a List of all todo messages as a map of <id,todo message> pairs and prints it to the console.
 - d.) "DELETE [id]" : Deletes the todo message at the given id from the servlet.
 - e.) "PUT [id] [todo message]" : Stores the string todo message in the servlet with the supplied integer 'id' and the clients timestamp. Overwrite any existing value.

For these commands you must send the appropriate HTTP Crud operation (Get,Post,Put,etc...). Remember that the servlet's class has an overridable method for each.