

:PROJECT ONE

This outline is a work-in-progress, and may change in the future – medatech@medasf.org

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TO DO LIST PROGRAM DESCRIPTION

The to-do list program will be our first program that brings together front-end and back-end through HTTP requests. When planning out how to build this project, you must think about where the data is coming from, what format is it in, what it has to go through, and finally how it is going to be handled throughout the entire process. This project should include technologies and skills gained in the front-end class. **Expect to dedicate about *eight hours* in addition to in-class coding for this project.**

TO DO LIST PROGRAM GOALS

You will be writing details on the following for the program:

- ➔ What are the colors, dimensions, font families, font sizes, images (if any), of the website.
- ➔ What is the layout of the front-end of the program.
- ➔ How and what will jQuery handle during the user experience of the front-end.
- ➔ How will the front-end handle messages to, and from, the back-end.

PLANNING AND CODING TO DO LIST PROGRAM

- A) This project will be created in-class as well as outside of class. The student is responsible for the front-end of this project. The back-end will be created in class and will send and receive data to the front-end. Keep note of what the back-end expects to receive, and what it will send in return. Plan out how jQuery will handle these requests and responses from the back-end.
- B) In a text file, describe the color theme, fonts, images, and layout you would like to use for the front-end. Please be as descriptive as possible on your choices. The name of this text file will be up to you.
- C) Create one wireframe of the front-end in the software of your choice. You can also sketch it out and scan it in if you would like to use physical media. Please save this file as “wireframe.png”, or with the proper extension.

- D) Write and test front-end code that will handle user input, expected output messages, as well as back-end request and response events.

RUBRIC

MEDA Back End Projects are graded with a Pass or No Pass. In order to get a Pass for the to do list project, you need to meet the following requirements by the deadline:

- ✓ Have a working front-end that accepts user input, displays proper data, sends data to the back-end as well as handling responses from the back-end.
- ✓ All files necessary to run the front-end and back-end. (excluding node_modules)
- ✓ A text file with the description of the front-end design.
- ✓ An image file or scan of the wireframe.
- ✓ All node_modules folders ignored by Git.

PROJECT NOTES

- This project should include HTML, CSS, and JavaScript. Images are optional and will be up to the student's judgment on image usage (remember permissions and licensing!).
- Font Awesome is an excellent library to use for the user interface of this program.
- Review jQuery, Node FS package, and Express.js to understand the execution of this program.

PROJECT SUBMISSION

The Node project folder should be named "todo". Make sure to have your Node Project folder inside the "projects" folder of your repository. Please make sure you have pushed your repository to GitHub, **the due date will be determined at a later time based on the back-end code progress.**

NOTES
