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Jquery

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Overview

JQuery is an open source JavaScript library that is used to simplify JavaScript development and allows you to add interactivity to a website without having knowledge of the language. It is also used as a tool to improve compatibility between browsers, since it abstracts functionality without having to worry about adaptations. As its slogan indicates, the objective is that you write only what is necessary (ie the minimum) and get “more”.

Table of Contents

Project Requirements

For this project, it is imperative to do the following:

- You must create a repository
- You must use two js files separately, one for the JQuery implementation and one for the native implementation
- You must develop your own plugin using the architecture that JQuery provides
- Create a clear and orderly directory structure
- Both the code and the comments must be written in English
- Use the camelCase code style to define variables and functions
- In the case of using HTML, never use online styles
- In the case of using different programming languages always define the implementation in separate terms
- Remember that it is important to divide the tasks into several sub-tasks so that in this way you can associate each particular step of the construction with a specific commit
- You should try as much as possible that the commits and the planned tasks are the same
- Delete files that are not used or are not necessary to evaluate the project

Risk Management Plan

Every project has risks. This risks must be taken into account to improve the workflow of the project. I've listed the risks for the project, along with the impact they might have, and the priority of them.

iD	Risk	Consequence	Prob. (1-5)	imp. (1-5)	Pri. (1-25)	Mitigation approach
1	Breaking my	Can't do anything	1	5	5	Keep my repo work

	computer					to date, look for other computers
2	Getting sick	Wouldn't be as productive	2	3	6	Eat and sleep well
3	Not concentrating enough	Won't com	2	5	10	Focus on the Minimum Viable Product.
4	Unrealistic deadlines	Deadlines wouldn't be met + development shortcuts would have been taken affecting the robustness of the code	2	3	6	Be more organized with the tasks, set new deadlines.
5	Being unfocused	Loss of control over the development flow of the project	4	5	20	Focus on finishing the most important tasks only.

Tasks for the project

Defining this part is crucial to the development of the project. It is important to make a good analysis of the situation to organize the project in a good way.

1. Reading the description
- Priority: Medium.
- Description: Reading the description of the project to figure out the requirements and tasks to do.
- Difficulty: 2/10
- Time estimation: 20 min

2. Create repo
- Priority: Medium.
- Description: Creating the repo for the project.
- Difficulty: 2/10
- Time estimation: 5 min.

3. Prepare documentation
- Priority: Medium.
- Description: Prepare documentation for the project.

- Difficulty: 2/10
- Time estimation: 20 min

4. Create js and html files
- Priority: Medium.
- Description: Creating the Js and HTML files to work with the project
- Difficulty: 3/10
- Time estimation: 10 min.

5. Prepare a list of Events in Jquery
- Priority: High.
- Description: Create a list of events with Jquery
- Difficulty: 8/10
- Time estimation: 2 hours.

6. Prepare a list of Functions and Selectors
- Priority: High.
- Description: Create a list of functions and selectors for Jquery
- Difficulty: 8/10
- Time estimation: 4 hours.

7. Implementation
- Priority: High.
- Description: Elaborate implementation of the project
- Difficulty: 8/10
- Time estimation: 2 hours.

Chronogram

ID #	Wednesday	Thursday	Friday	Saturday	Sunday
1	X				
2	X				

3		**X**			
4		**X**			
5			**X**		
6			**X**	**X**	
7				**X**	**X**

Calendar

- **Thursday:**

  -Reading the project description

  -Creating the repo for the project

  -Prepare the documentation.

- **Friday:**

  -Creating the html and js files.

  -Prepare list of events.

- **Saturday:**

  -Finish list of events.

  -Prepare list of functions and selectors.

- **Sunday:**

  -Finish list of events.

  -Work on implementation.

Git Workflow

For this project, all commits we'll be pushed directly to the Master branch. All commits will use a descriptive message, so that myself or other users can easily go to the Git version that they need to. This is very important for working in teams as it increases communication and efficiency between all members.

Technologies used

For this project, we will use the following technologies:

- HTML, JS and Jquery.
- Visual Studio Code.
- Git.

File structure

The files will be organized in the following way:

```
jquery/
    .git/          This folder contains the Git information for the project
    assets/        This file contains the callback function examples
     index.html    This is the main HTML for the project
     Jquery.js     This file contains the Jquery code
     Jsindex.html  This file contains the html for the jquery code
     Script.js     This file contains the JS code
    README.md      This contains information on how to use the project.
```

Lessons learned

- **jQuery** is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax.
- It is free, open-source software.

Incidents

- Difficulty working with Jquery as I had little experience with it.
- Wasting time for not being focused enough.