**Web\_Lesson4: JavaScript, jQuery**

# **Lesson Overview:**

We briefly look into object-oriented JavaScript along with jQuery. We also learn how to access APIs using jQuery

# **Use Case Description:**

1. **Hangman using JavaScript**

Build the Hangman game using JavaScript. It helps to understand the object-oriented JavaScript along with the basic JavaScript elements.

1. **To-do List**

A simple app to maintain a to-do list and mark completed ones using jQuery.

1. **Hangman using API**

It introduces the useful concept of using APIs.

# **Programming elements:**

JavaScript (OO), jQuery

# **Source Code:**

<https://umkc.box.com/s/jmv7mzhdu81c1l279fch8837hshyvetr>

# **In Class Programming (ICP):**

1. **GitHub User Finder:**

Create an app that makes the call to the GitHub API (<https://api.github.com/>) and displays the following user's account details when any user searched by **username**

* Name of the user
* The ID of the user
* Profile picture
* Link to the user's account

**Note:** There is no limit on details and creativity. You can add as many details as you can and create an attractive and interactive web page.

# **ICP Submission Guidelines**

1. ICP submission is an individual or Group contribution.
2. Submit your source code (comment your codes) and documentation to GitHub and represent the work through the report accurately (at least 250 words) (submit your screenshots as well. The screenshot should have both the code and the output)
3. Comment your code appropriately
4. Present your work to the TAs before you leave
5. Submission after the due date is considered a late submission. (Check the 'Late Submission Policy on Assignments' in the syllabus)
6. Use the related Canvas assginement submission; Assignments => ICP#

# **ICP Rubric Details**

You can find ICP Rubric Details in the Syllabus.

**Note:** Cheating, plagiarism, disruptive behavior, and other forms of unacceptable conduct are subject to strong sanctions under university policy. See detailed description of university policy at the following URL: <https://catalog.umkc.edu/special-notices/academic-honesty/>