**Web\_Lesson6: REST APIs with Angular**

# **Lesson Overview:**

In this lesson, we are going to discuss routers, services, HTTP, and RESTful APIs in Angular

# **Use Case Description:**

**Wikipedia Viewer:** A sample webpage that will extract data from Wikipedia and display it to the user based on the request with the help of REST calls

# **Programming elements:**

Angular (routers, services, HTTP, and RESTful APIs)

# **Source Code:**

<https://umkc.box.com/s/sx8afvti4lhtwwx552q5cxn3jpqz408p>

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

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.

1. Create an application in Angular which displays nearby restaurants (Hint: Use Foursquare API)

2. Create an application in Angular which displays recipes (Hint: Use EDAMAM API)

If possible, combine both the APIs in a single application. (Given starter code has both together. Change the UI if you are going to use this code)

**Note:** You must use **Angular (not the AngularJS)**

# **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 as a late submission. (Check the 'Late Submission Policy on Assignments' in the syllabus)
6. Use the related Canvas assignment submission; Assignments => ICP#

# **ICP Rubric Details**

You can find ICP Rubric Details in both the Syllabus and Canvas ICP assignment.

**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/>