**Presentation – Advanced Web Programming**

This assignment requires you to work in a team to present a tutorial on a MEAN Stack topic.

**Submission Requirements via Blackboard:  
  
Due on the Date of your Presentation by the start of class:**

1. **From your Group:**

* GitHub link to your repo with your sample application
* presentation files / documentation

1. **From each Student:**

* Submit the work you contributed to the project
* Include a description of exactly how you contributed and a time log of dates, time spent, and description of work done that day

# Description: Student-Led Tutorial

You will choose one of the topics below to help teach to the rest of the class. Your team (max 5 students) must create a simple lesson to introduce the concept to the class and walk everyone through creating a simple application that implements the technology you selected. If this is insufficient time you can provide an application shell for the class to work with. You have 50 minutes maximum for your presentation.

**Possible Topics:**

* Building a REST API
* Gulp Automation
* Bower
* React JS
* Unit Testing
* TypeScript

You will be marked on the following criteria:

* Class Engagement / Innovation / Creativity
* Quality of Research
* Presentation of Material (including participation by all of your team members)
* Sample Exercise for class to try
* Demo Application (can be the same as the Sample Exercise or a more fully-featured version)

Things to consider when planning your tutorial:

* Introduction – find an interesting way to introduce your topic
* What kind of sample exercise can the class do in a short amount of time to at least get the basics up and running?
* Can you give the class an application shell that you will help them complete?
* What questions or problems will other students likely have?
* Is your explanation clear?
* Do you have some support materials to help you present, such as slides, web pages, documents, images, video, or working samples?

**Evaluation Method**

Your presentation will be evaluated based on the following items:

# Evaluation Criteria (20% of final grade)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Criteria** | **0-2** | **3-4** | **5-6** | **7-8** | **Marks** |
| **Class Engagement** | - Little or no interest | - Some engagement | - Good student engagement | - Full engagement by rest of class | **4** |
| **Research** | - Little or none | - Basic research into topic | - Mostly complete picture of topic | - Displays depth of understanding | **8** |
| Presentation of Material | - Topic not communicated | - Some relevant points explained | - Effective presentation | - Clear, thorough explanations | **8** |
| Sample Exercise for Class | - None | - Some attempt to implement feature | - Mostly implemented | - Fully implemented | **4** |
| Full Demo Application that Implements your Chosen Technology | - None | - Some attempt to implement feature | - Mostly implemented | - Fully implemented | **8** |
| Individual Submission | - None | - Modest Contribution | - Good contribution | - Demonstrates full participation | **8** |