Tutorial 1: Application Frameworks [Group Deliverable]

Learning Outcomes:

- Familiarize yourself with popular development frameworks.
- Consider the advantages and disadvantages of a development framework based on a given set of project guidelines.
- Work in groups to judge the best possible solution given a set of project guidelines.

Instructions:

- With your group:
  - **Discuss** the various front-end and back-end frameworks, and database solutions, that could be used in your project.
  - **Think** of the reasons as to why these frameworks and database solution might be useful
  - **Submit** a ONE (1) page (max.) write-up listing the frameworks, and database solution, your group is considering using for your project and a justification for each. You may use bullet-point form.

    Note: *Any one member of your group can submit this write-up on behalf of your group. If more than one group member makes a submission, only the latest submission will be graded*

Submission Guidelines

Your tutorial must be submitted through **Brightspace ONLY**.

To submit your work to Brightspace:

- Include your answers to this handout in a single **PDF** file. Your submission must match naming conventions specified in the Course Syllabus (**T1_Group#.pdf**).

  Note: *Any one member of your group can submit this write-up on behalf of your group. If more than one group member makes a submission, only the latest submission will be graded.*

- Ensure you submit your work by the **due date specified on Brightspace**.

Marking Rubric:

As this tutorial is a written tutorial, the following grading criteria will be used for marking your tutorial:

Dimensions	Does Not Meet Expectations	Meets Expectations	Exceeds Expectations
References (2%)	Fails to reference sources using in-text citations. Does not use proper in-text citations (e.g., instead uses "In the first article"). Inconsistent citation style (e.g., sources in IEEE and ACM in the document). **(0 points)**	Citation style is used consistently with minimal errors (i.e., < 4). Most sources are referenced throughout the text with few missing in-text citations (i.e., < 4). Most sources correctly included in the References section. **(1 points)**	Citation style is used consistently with minimal or no errors (i.e., < 1). All sources are referenced throughout the text with minimal missing in-text citations (i.e., < 1). All sources correctly included in the References section. **(2 points)**
Completeness (5%)	Details or sections left blank. Fails to discuss front-end and back-end frameworks, as well as database solutions that could be considered for the course's project. Fails to narrow down and briefly justify why the frameworks chosen for the project were chosen. **(1 points)**	Details or section left somewhat incomplete. Somewhat discusses frameworks and database solutions that could be considered for the course's project. Group narrows down the frameworks to be used but does not provide a justification. **(2 - 3 points)**	Provides a discussion of the front-end and back-end frameworks, as well as database solutions that could be considered for the course's project. Successfully provides a justification for why the frameworks that were chosen for the project were actually chosen. **(4 - 5 points)**
Clarity (3%)	Sections lack clarity (i.e., issues are distracting). Document is confusing and time-consuming to read. The overall writer's message is unclear. **(1 points)**	Document is readable despite occasional structure issues. The content provided in most sections is mostly clear. The reader has an idea of what the writer's message is. **(2 points)**	Document is easily readable, minimal to no structure issues.The content provided in sections is clear. The reader knows exactly what the writer's message is. **(3 points)**