CST8333 Programming Language Research Project

# Reflective Report 1 - See Brightspace for due date

* Refer to the Course Section Information (CSI) document posted in Blackboard under Course Information for additional requirements common to all assessments.
* **This is one of the easiest assessments in the course; it is also, from an educational perspective, the most important assessment in the course. Pay close attention to the rubric and address all items in all criteria rows with point values 1, 2 and 3.**

## Tasks

* Review your discussion board posts, then reflect on your learning and time management and write an essay using a single MS Word document.

## Your single MS Word document should have this general format

* Cover page with your full name within it.
* Heading with name “What was learned about my programming language”
  + State the programming language you learned this semester in the first half of this course.
  + List the topics you learned and / or implemented in your selected programming language.
  + What are the strengths **and** weaknesses of the language you have discovered so far?
    - If you use web resource(s) to answer this cite and reference sources using IEEE reference format.
* Heading with name “The Best Resources for Me to Learn Are”
  + Examples are books, websites, API documentation, other programmers, tutorial videos, online training courses, etc. **Use categories of learning materials**, websites, books, etc. not specific websites or specific resources.
  + Make a table with columns titled “Resource”, “Time Consumption”, “Usefulness” and rank each resource used as either “low”, “medium”, “high”. For example, using training videos might be Low Time Consumption, but also Low Usefulness.
  + Identify the most effective resources for you, e.g. things with low to medium time consumption yet medium to high usefulness. Briefly state why you found the resource effective. For example, “I love using books because I am a very fast reader”, or if you don’t like books: “I found video training to be the most effective, I can follow along in my IDE and / or can rewind if I miss something”. Note: Your professor is not judging you on your choice, these are just examples, your professor does want to see a choice and rational defense of that choice.
* Heading with name “WBS, Project Management Software, Reflection on Time Estimation”
  + How accurate was your time estimation in the first half of the course, Work Breakdown Structures and Gantt charts from each Research Assignment? Where you under-estimating or over-estimating your time? What have you learned that will help with time estimation in the second half of this course?
    - You are not being judged on whether you were correct or not in your time estimation, but you need to discuss what you learned about time estimation and how you can take lessons learned into the second half of the course.
* Heading with name “Discussion Board Post Archive”
  + Copy and Paste your discussion board posts from the first half of the course into this area, you are not required to list your response(s) to other students, only your own post that answers the questions.
  + Use bolded font to identify the posts, e.g. “**Discussion Forum 1 Post**”, “**Discussion Forum 2 Post**”

## Submission Requirements

* Upload your MS Word document by the due date
  + One MS Word document

\*\*Submitting any other format other than .doc or docx for your MS-Word document will result in zero for this assignment. Libra-Office users save-as… MS Word.

* Ensure your full name is included in all materials as asked.

## Grading (Total 12 Points)

**Note: A mark deduction of 3 points will be applied if you do not have a cover page.**

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| Criteria | Poor/Missing (0) | Below Expectations (1) | Meets Expectations (2) | Exceeds Expectations (3) |
| What was learned about my programming language | Omitted, missing, very poorly done | Does not provide enough information, for example may only mention the name of the programming language. | Provides much of the information requested but leaves out a detail or is too vague, for example leaving out the weaknesses of the language or listing language features but not focusing on strengths and weaknesses. | Provides all of the requested information, language studied, what was learned, what are strengths and weaknesses of the programming language studied. |
| The Best Resources for Me to Learn Are | Omitted, missing, very poorly done | Only lists the learning strategies, does not have a table as requested. | Uses a table to assess each learning strategy used. Assessment provided on time needed and usefulness. | Also, explains what learning strategies were the most effective based on time needed and usefulness from a personal perspective. |
| WBS, Project Management Software, Reflection on Time Estimation | Omitted, missing, very poorly done | Briefly, mentions how well they estimated time needed to complete tasks. | Elaborates on time estimation, how time was over-estimated for some tasks, while possibly under-estimated for others. | In addition to mentioning, and elaborating on time estimation in the course, talks about how time estimation might become more accurate in second half of the course. |
| Discussion Forum Archive | Omitted, missing, very poorly done | Only one discussion forum post (1 or 2) is present in this report. | Not used for this criterion. | Discussion forum posts 1 and 2 are present in this report. |

Note: The discussion forum archive needs to have your posting with the answers to the questions provided as part of the discussion forum assignments. You are not required to include your reply to other student(s) in this reports archive.