

GROUP ASSIGNMENT (MAX 4 STUDENTS PER GROUP)	
Course: Data structure and Design Pattern Semester: Spring/Summer 2020	Due: Week 13 Marks Allocated: 20%
INSTRUCTIONS:	
TASK 1	
<ul style="list-style-type: none"> <li>Create a windows application which uses at least five different design patterns and five different data structures that you have learnt.</li> <li><b>Deliverables</b> <ul style="list-style-type: none"> <li>Email me a proposal with group name, member names, project description, design patterns and data structures used (Due – Week 9)</li> <li>Final Presentation (Due – Week 13) <ul style="list-style-type: none"> <li>The source code as a zip file – clearly show patterns and data structures used with comments.</li> <li>A PowerPoint presentation that must include the following: <ul style="list-style-type: none"> <li>Class diagram of your entire solution - clearly showing the use of design patterns.</li> <li>Description of design patterns and data structures that you have used in your solution with justification.</li> </ul> </li> <li>Submit application (.zip file) and Presentation (.pptx file) to Blackboard.</li> </ul> </li> </ul> </li></ul>	
TASK 2	
<ul style="list-style-type: none"> <li>10 min Group Presentation (due Week 13)</li> </ul>	
EVALUATION CRITERIA:	
<ul style="list-style-type: none"> <li>Clarity, conciseness, correctness and organization of the presentation.</li> <li>Effective use of time. Keeps within allotted time. Presentation set-up doesn't require a significant amount of time. Team coordination.</li> <li>Presentation clearly depicts and justifies the design patterns and data structures used in the selected project.</li> <li>Critical analysis of the design and use of appropriate design pattern and data structures with <b>justification</b> (Use "why use this one instead of others?" type of argument to explain your selection of a pattern or data structure)</li> <li>Make sure that you integrate literature from credible sources to support your arguments.</li> <li>Remember: Plagiarism is a serious offence. Therefore, ensure that your work is original and properly reference all sources that you have used.</li> </ul>	