

Seatwork 6.1	
Problem Identification	
<b>Course Code:</b> CPE007	<b>Program:</b> Computer Engineering
<b>Course Title:</b> Programming Logic and Design	<b>Date Performed:</b> 10/14/25
<b>Section:</b> CPE11S1	<b>Date Submitted:</b> 10/16/25
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<b>6. Output</b>	
<p>Students often experience stress and decreased performance when being overloaded with heavy tasks and tasks having the same deadlines. When several tasks are due at the same time, students might struggle to balance these said tasks. This causes a decrease in quality for these tasks and/or negative effect on a students wellbeing. Research has also shown that fatigue in students is an important part of the process of producing their state of wellbeing and that this is linked to their workload (Smith Andrew., 2018) . Teachers may sometimes be not aware when their students are already aware of a sections' workload when setting a deadline for their tasks. This lack of coordination leads to mentioned beforehand effects like stress and a negative effect on a student's overall performance. Therefore, a schedule system where a teacher can be able to observe a sections' schedule for deadlines in order to not conflict with other subjects will greatly benefit both parties.</p> <p>Currently, teachers only have a limited visibility on the overall workload assigned to a particular section. This makes it for them to set a fair and manageable deadline for new tasks. As a result, students often face multiple tasks that have the same submission dates that can cause stress and reduce their quality of work. Research has demonstrated that human beings have limited capacity to manage cognitive load. If there is a gap between the capacity available and the capacity required for a task, this can lead to unhelpful levels of stress, anxiety and burn out(Sweller J., 1988). A platform where students can see their tasks' deadline can also plan ahead on which tasks will prioritize first, which helps with their efficiency on completing such tasks. Without this workload tracking, teachers cannot make informed decisions when planning deadlines for their assessments and students might not be able to properly manage their tasks. Research showed that a coordinated deadline management system reduced deadline clustering and improved student performance (Withington &amp; Schroeder, 2017). This is why task deadline management can help with monitoring task distribution, prevent deadline overload and help teachers set reasonable timelines that enhance a students' output quality.</p> <p>The purpose of this system is to help both teachers and students. This helps teachers by providing insights into their students' deadlines. This allows them to set a reasonable deadline for each task . Teachers can help lower their students' stress and help students to increase their outputs' quality. This can also help students to track deadlines and organize their time effectively. This encourages students to better manage their time and balance multiple tasks.</p>	
<b>7. References</b>	
<p>Smith, Andrew. (2018). Cognitive Fatigue and the Wellbeing and Academic Attainment of University Students. Journal of Education, Society and Behavioural Science. 24. 1-12. 10.9734/JESBS/2018/39529.</p> <p>Sweller, J. (1988). Cognitive Load during Problem Solving: Effects on Learning. Cognitive Science, 12(2), 257–285. <a href="https://doi.org/10.1207/s15516709cog1202_4">https://doi.org/10.1207/s15516709cog1202_4</a></p> <p>Withington, K., &amp; Schroeder, H. (2017). ROLLING WITH THE SEMESTER: AN ASSIGNMENT DEADLINE SYSTEM FOR IMPROVING STUDENT OUTCOMES AND REGAINING CONTROL OF THE WORKFLOW. Journal of Student Success and Retention, 4(1). <a href="https://www.jossr.org/wp-content/uploads/2017/10/Rolling-with-the-semester-Final.pdf">https://www.jossr.org/wp-content/uploads/2017/10/Rolling-with-the-semester-Final.pdf</a></p>	

## **8. Conclusion**

In this activity, we were able to brainstorm about a project that has a Log-in System and choices of transactions. We settled on creating a Task Deadline Management System. A system where teachers and students will be able to see and track their deadlines. In defining the general and specific problem, we tried to find different research that will help strengthen our statements. By defining the problems, we will have a clear target on what we are trying to solve. This helps us narrow down the scope of our project. Overall, We will be able to implement the project, as long as we stay in the scope of this project.

## **9. Assessment Rubric**