

Lab 1 Schedule Puzzle Product

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1. Introduction

Many people struggle to manage their daily tasks effectively and to prioritize their responsibilities that can lead to not being able to achieve their personal and professional goals. This can lead to a decrease in work performance, stress, and burnout. Research has shown that poor task management and productivity can lead to negative effects on mental health, job satisfaction, and overall well-being. A study conducted by acuitytraining in 2022, 500 employees from different industries were surveyed, and only 18% of those employees said to have a proper time management system, and the other 82% of the employees would only use a list or their email inbox as a time management tool.(Richardson, 2022)

To address this problem, here are some possible characteristics for an effective solution:

1. Flexibility: This can allow for customization and adaptability to meet unique needs and preferences of an individual.
2. Accessibility: This ensures the solution is easily accessible and user-friendly.
3. Accountability: This should be features that promote accountability such as reminders.

With these characteristics in mind, our solution is to have a system with automated scheduling. Not everyone can come up with an effective schedule that works for them. They may create a schedule only to realize that there are several conflicts, and the individual will have to start over their scheduling process.(Figure 1) With our solution, the individual can work together with the system to come up with a schedule that works for them. The individual provides tasks that need to be done, and the system prioritizes and schedules these tasks, and in the end, the system will provide the individual with a schedule they can select from. This system is our solution, and we call it *Schedule Puzzle*.

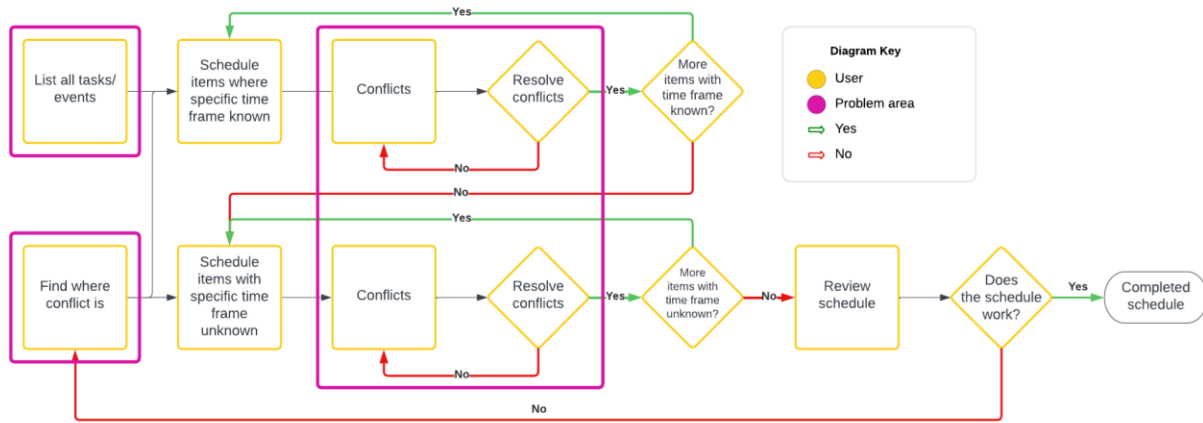


Figure 1: Current Process Flow

2. Schedule Puzzle Product Description

2.1 Key Product Features and Capabilities

2.2 Major Components (Hardware/Software)

3. Identification of Case Study

4. Schedule Puzzle Product Prototype Description

4.1 Prototype Architecture (Hardware/Software)

4.2 Prototype Features and Capabilities

4.3 Prototype Development Challenges

5. Glossary

6. References

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