

Lab 1 - Schedule Puzzle Product Description

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Lab 1 - Schedule Puzzle Product Description

1. Introduction

Managing and organizing tasks is mundane to some individuals, but often necessary in ensuring a productive and balanced lifestyle. Having an organized schedule is an important element of effective time management because it allows individuals to accomplish objectives with reduced stress. While managing tasks may be essential in productivity, some people have difficulty organizing and prioritizing tasks. According to a study of 500 employees across several industries in 2022, less than 1 in 5 people (18%) utilize a proper time management system. (Richardson, 2022) For those who do try to implement a time management system or a schedule, tasks may not be organized in the most effective way. Sometimes plans may be too rigid, and people fail to follow through with their desired objectives. Only 1 in 5 (20%) people from the previously mentioned study carry out a monthly time audit to review how they are spending their time. (Richardson, 2022) As a result, the remaining 80% of those individuals may be unsure of whether they are using their time wisely.

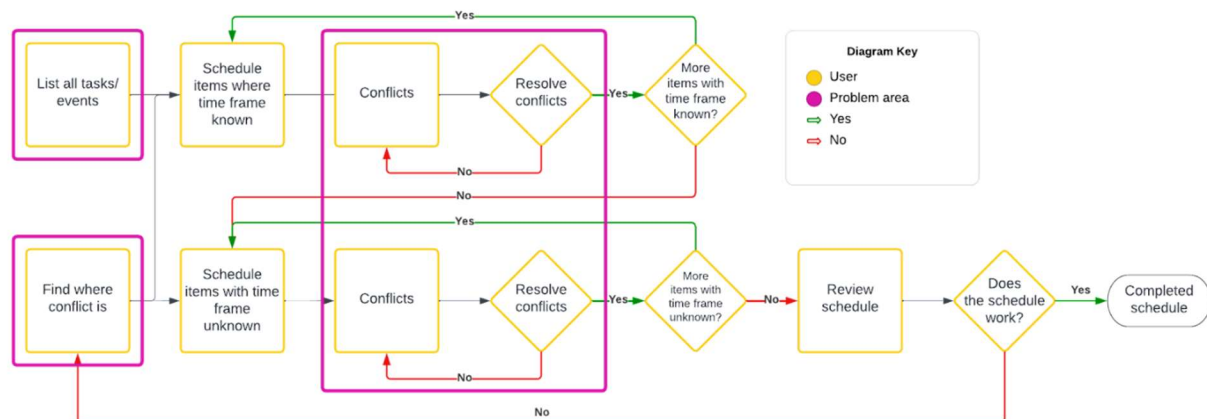


Figure 1: Current Process Flow

It is evident that scheduling and organizing tasks is difficult for many people. Schedule Puzzle is a software application that will solve the ongoing issue of ineffective scheduling and prioritization by performing automated schedule creation. Automated scheduling can disburden individuals of creating their own proper time or task management systems. Schedule Puzzle will allow users to input tasks with various priorities and automatically create schedules for the users.

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

- Task: catch all term for things that need to be completed by the user
 - One time task: appointments, meetings
 - Recurring task: chores, school, work

6. References

Indeed Editorial Team. (2021, February 22). *12 Time Management Problems (and How To Fix Them)*. Indeed. Retrieved from

<https://www.indeed.com/career-advice/careerdevelopment/time-management-problems>

Nemko, M. (2021, December 3). *4 Causes of Poor Time Management | Psychology Today*.

Psychology Today. Retrieved from

<https://www.psychologytoday.com/us/blog/how-to-do-life/202112/4-causes-of-poor-time-management>

Prabhu, A. (2022, November 25). *Importance of scheduling tasks and its benefits*. Profit.co.

Retrieved from

<https://www.profit.co/blog/task-management/importance-of-scheduling-tasks-and-its-benefits/>

Richardson, B. (2022, October 26). *Time Management Statistics & Facts (New 2022 Research)*.

Acuity Training. Retrieved from

<https://www.acuitytraining.co.uk/news-tips/time-management-statistics-2022-research/>