

Project Requirement Report: Event Planner and Scheduler

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Introduction

The Event Planner and Scheduler is a software application designed to assist individuals in organizing and managing their events, appointments, and tasks effectively. This project aims to provide users with an intuitive graphical interface for scheduling their daily activities and maintaining organization in their lives. As during busy schedules it becomes hectic for people to keep a track of all the events and tasks hence this application will act as a good platform for individuals to manage their tasks and events efficiently .

This daily planning and scheduling helps the individuals to grow economically. Planning helps in having a sound health and well being to the people using this user-friendly application. Owing to the hectic schedules individuals tend to procrastinate their works till the deadline leading to increased stress arising from the task completion deadlines eventually deteriorating the health and well being due to burn outs . Good health and Well-being, Decent work and Economic growth cover under the United Nations Sustainable goals which could be met using this planning and scheduling software application by managing tasks efficiently by scheduling them on time and keeping a track of tasks to be performed at the right time . Thus, the two goals of Sustainable Development can be attained using this application of event planning and scheduling using software engineering applications.

Project Overview

The application will be developed using Java programming language for the backend. Its primary functionalities will include event creation, task management, and navigation between different views through the graphical user interface. For the future updates features such as Calendar view could be included , providing users with a visual representation of their schedule while maintaining the simplicity of usage .

Functional Requirements

- **Event Creation:** Users can create new events by providing details such as title, date, time, and description through input fields .

- **Task Management:** Users have the ability to create, edit, and delete tasks, including due dates and descriptions, using dedicated sections or dialogs in the GUI.
- **Navigation:** The GUI will include navigation elements such as tabs, menus, or buttons to allow users to switch between different views, such as event list , seamlessly.

Non-Functional Requirements

- **User Interface:** The application will feature a basic and straightforward graphical user interface, designed for ease of use and clarity. It will include essential elements such as input fields, buttons, and lists to facilitate interaction with the application.
- **Reliability:** The application will handle errors gracefully, providing clear error messages and ensuring data integrity to maintain user trust and confidence.
- **Performance :** The application should be responsive and performant, even with large number of events.
- **Constraints :** The application should be implemented using java programming language. External binaries should not be used unless provided or retrieved through Gradle.

Conclusion

- The Event Planner and Scheduler application aims to provide users with a user-friendly and efficient tool for managing their schedules and tasks. By incorporating intuitive graphical interfaces and essential functionalities, the application seeks to enhance users' organization and productivity in their daily lives.