SchedEdu – Smart Scheduling Platform for Education

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Abstract

This paper presents the design and development process of *SchedEdu*, a smart scheduling web platform aimed at improving timetable management for educational institutions. Using Figma as the main design tool, we created an intuitive and responsive user interface that enhances the user experience for both teachers and students. The design follows modern UI/UX standards and focuses on accessibility, simplicity, and clarity.

Keywords: UI/UX Design, Education Technology, Figma, Responsive Design, User Interface.

1. Introduction

Effective scheduling is a crucial aspect of modern educational management. Traditional timetable systems are often inefficient and lack adaptability to users' needs. SchedEdu was conceived as a solution to provide a digital scheduling environment where both educators and learners can access, manage, and visualize their timetables efficiently. The project emphasizes visual clarity, consistency, and scalability.

2. Related Works and Background

Several existing systems such as Google Classroom and Moodle offer scheduling functionalities; however, they often embed them as secondary features rather than a primary focus. SchedEdu aims to fill this gap by providing a dedicated platform that centers on timetable visualization and management with a clean, user-friendly design.

3. Methodology

The design process followed the standard UI/UX development cycle: research, ideation, prototyping, and evaluation. Figma was used as the primary tool to create wireframes and high-fidelity prototypes. Cursor AI-assisted IDE supported the implementation phase, allowing code generation and version control integration. The workflow ensured iterative feedback and continuous improvement.

4. System Design and Implementation

The system is composed of several core pages: **Landing Page:** Introduces the platform, provides quick access links, and highlights main features. **Sign In / Log In:** Secure authentication interface designed with clarity and simplicity. **About / Contact:** Provides background information and contact options for users. **Dashboard and Timetable Management:** Centralized view for creating, editing, and visualizing schedules for teachers and students. All interfaces were designed with a responsive layout and consistent color scheme to ensure usability across devices.

5. Evaluation and Discussion

User evaluations were conducted based on usability heuristics and peer feedback. Results indicated that users appreciated the clean layout and straightforward navigation. Minor adjustments were made to enhance the contrast ratio and optimize mobile responsiveness.

6. Conclusion and Future Work

SchedEdu successfully demonstrates how user-centered design can transform traditional scheduling systems into engaging digital experiences. Future developments include integrating AI-powered schedule recommendations and synchronization with external calendar systems.

References

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