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Redesign of the NEU SchoolAutomate

User Interface and User Experience

Project Proposal

3BSCS-1

Instructor: Professor Jeremias Celestino Esperanza

Subject: CSLEL2-18



Rationale

The New Era University SchoolAutomate is the online system currently implemented in the New Era University. Students use this system for enrollment, monitoring their curriculum, and tracking their financial ledger, which contains information about the fees to settle within the academic year. Teachers, administrators, and other faculty members also use the SchoolAutomate to manage classes, student requirements, and other administrative work.

The system works as it should. It assists in communication between the university's different departments and allows students to manage their education.

However, the system's user interface could use a reorganization. Parts of the system feel archaic and inefficient, making it a challenge for all computer users. The feel of the user interface needs modernization to fit in with the interface of NEUVLE and the main website. SchoolAutomate also needs to be optimized for mobile navigation with a mobile application.

Keeping up with the modern UI and UX design standards helps strengthen the university's image. Therefore, this project aims to reinvent the website and create a mobile application, designing from its outward-facing design to some of its internal functionalities.



Research Problems To Be Addressed

Less Engaging School Branding

- Problem: As the first thing a new enrollee sees, the SchoolAutomate projects an undesirable image of the New Era University as an outdated school.
- Research focus: Creating an appealing interface, modernizing the existing system, and making enrolling efficient.

Lack of Modern Design Adaptation

- Problem: The current design of SchoolAutomate looks like it hails from the 2000s website designs.
- Research focus: Researching modern UI and UX design standards, implementing new designs for the website, and ensuring the new look remains optimized.

Duplicate Features

- Problem: SchoolAutomate has several repetitive segments that contain similar information.
- Research focus: Cutting down on navigation tabs, condensing similar information in a single section, and making links to related pages for intuitive navigation.

Unclean Information Presentation

- Problem: Important enrollment information that should all be visible in one segment, like the name of instructors and subject prerequisites, are separate and difficult to locate. Tables are also non-uniform with inconsistent formatting.
- Research focus: Reorganizing related information, ensuring navigation intuitiveness, and changing system formatting for uniformity.

Missing Support for Mobile Devices

- Problem: The SchoolAutomate's user interface isn't configured for mobile devices, making zooming necessary during navigation.
- Research focus: Creating a mobile application, making a new user interface for mobile navigation, and optimizing website speed for mobile processors.



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Team Members

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