



STARS Tutoring Groups Management

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Instructor/Faculty : **Masoud Sadjadi**



PROBLEM

- Mitchell recognized the need to improve the visual appeal of the app's welcoming screen to enhance user engagement and satisfaction, despite the system's existing efficiency.

CURRENT SYSTEM

- While acknowledging the system's efficiency, Mitchell identified the opportunity to enhance the user experience through a visually appealing welcoming screen.

SYSTEM DESIGN

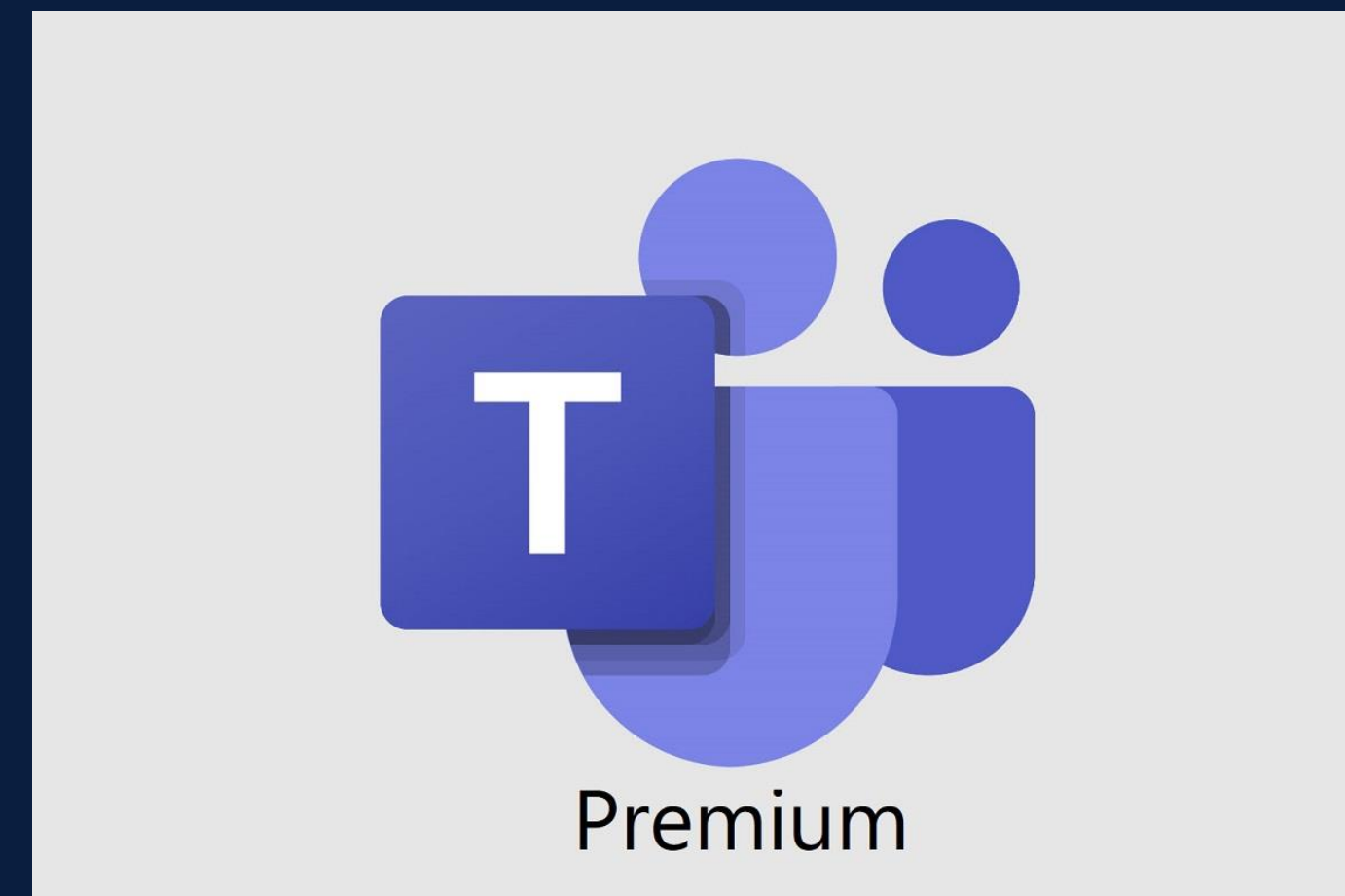
- Mitchell's main focus was on the design aspect, particularly the welcoming screen, ensuring alignment with the existing system's functionality and branding while enhancing aesthetics and user engagement.

OBJECT DESIGN

- Mitchell Chinyani meticulously designed the object model, defining entities such as classes, students, instructors, and registration records with appropriate attributes and relationships to optimize data management and system functionality.

VERIFICATION

Mitchelle Chinyani actively participated in the verification process, conducting tests to ensure the system met specified requirements and design objectives. Her thorough testing and validation efforts ensured the system's reliability and effectiveness.



- Mitchell ensured that her design met the requirements of being visually appealing, intuitive to navigate, and consistent with the app's overall design principles, while maintaining alignment with the existing system.

- Automate a registration process for students seeking tutoring
- Automated a setup of each course's tutoring group on WhatsApp
- Automated an assignment of tutors to a course being covered

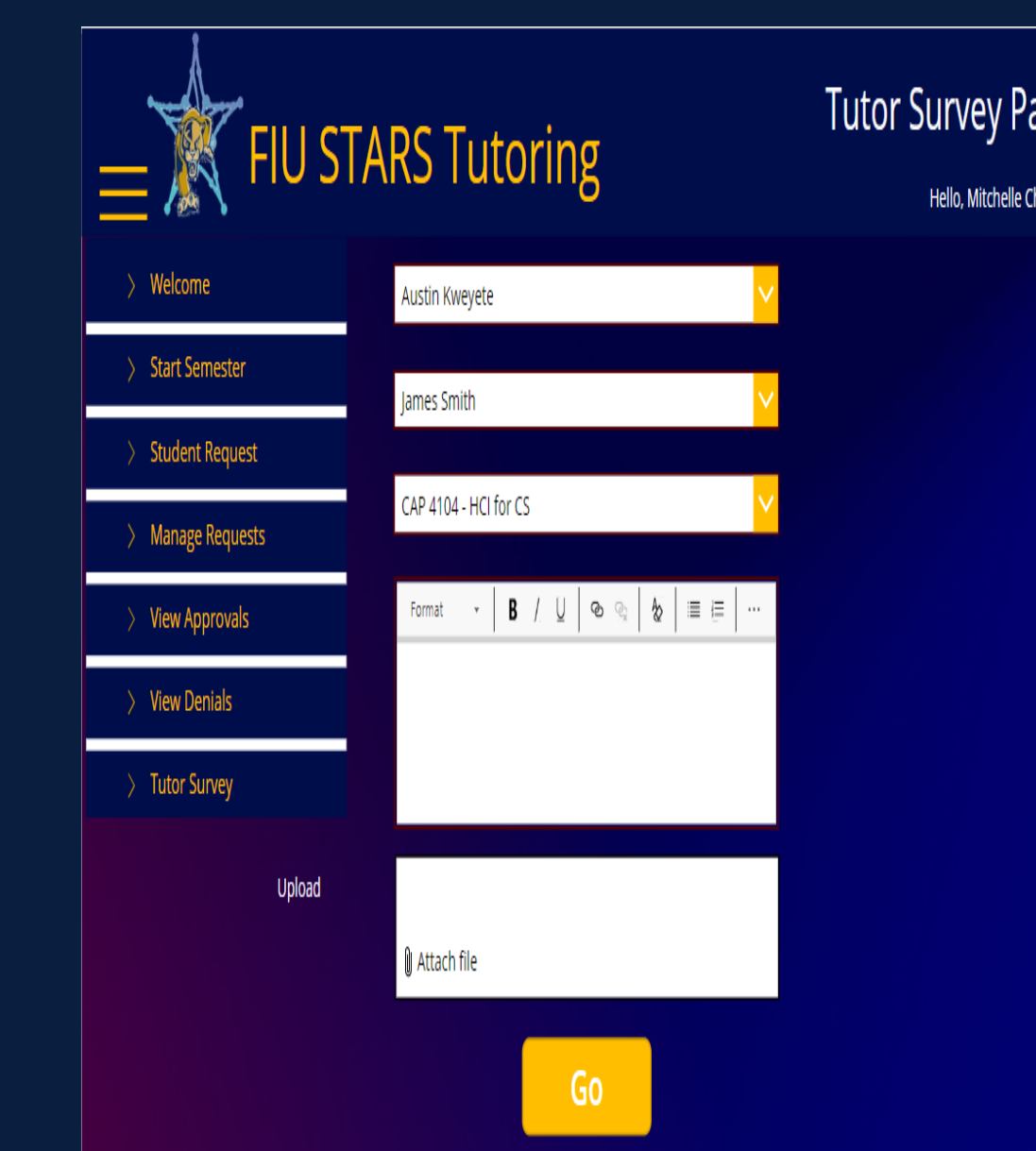
Designed the Power Automate app to consists of a Microsoft Teams channel in order to replace WhatsApp chat groups in the Future

IMPLEMENTATION

- Mitchell Chinyani took the lead in designing an aesthetically pleasing welcoming screen, creating an inviting entry point for users. Furthermore, she contributed to developing a final poster detailing the implementation process, verification procedures, and object design principles.

SUMMARY

The project 's goal is to streamline the management of tutoring groups within educational institutions by implementing automation processes. It will automate the setup of tutoring groups on WhatsApp, assign tutors to specific courses, and simplify the registration process for students seeking tutoring assistance. Additionally, the project will facilitate end-of-semester statistics and reporting by analyzing tutor chat sessions. Future-proofing is considered by designing the system to transition smoothly to Microsoft Teams channels. Overall, the project endeavors to enhance efficiency and effectiveness in student support services within academic settings.



REFERENCES

Microsoft power Platform developer Documentation:(<https://learn.microsoft.com/en-us/power-platform/developer/>)

Microsoft Power Automate Documentation (<https://learn.microsoft.com/en-us/power-platform/admin/>)

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ACKNOWLEDGEMENT

The material presented in this poster is based upon the work supported by XXXXX (name of the project sponsor: federal, state or local government, or corporate partners, where applicable). We/I thank XXXX for his/her/their assistance and mentorship that I/we received throughout the senior design project.