

Senior Capstone Project Proposal

Project Team ID:

Project Title:

Team Members

Member	Name	Email
Team leader	Chance Biddle	biddck01@pfw.edu
Member 1	Cayla Hale	haleca03@pfw.edu
Member 2	Mary Johnson	Johnme09@pfw.edu
Member 3	Ibigoni Inye-Tam	inyetp01@pfw.edu
Member 4		

Faculty Advisor

Name / Title	Dr. David Q. Liu
Office	ET 125G
Phone	260-481-0182
Email	dqliu@pfw.edu

Project Sponsor (Optional)

Contact person	Judith DeLury
Contact info	Judithdelury@levelup-meds.com
Company name	Delury Enterprise
Address	

Project Description

Type	Application development Research-focused Information systems
Abstract	<p>LevelUp Meds is a web application designed for one or more caregivers taking care of one or more patients. Having multiple caregivers taking care of multiple people adds levels of complexity. This creates an urgent need to communicate vital information to all caretakers and medical providers for each care recipient. Communication among caregivers becomes critical to assuring quality care.</p>

Requirements	<ul style="list-style-type: none"> • UI/UX Enhancements, including: • Medications per Recipient • Upcoming Medications: Provide counts of upcoming doses within a set time frame. • Missed vs. Taken Meds • Audit Trail
Optional features	<ul style="list-style-type: none"> • Security: Implementing Two-Factor Authentication (2FA/MFA) for enhanced protection. • Accessibility: Including Text-to-Speech, Speech-to-Text, multi-language support, dyslexia-friendly mode, and adjustable font sizes. • Real time notifications • File Sharing: Send and receive attachments • Pinned Messages
Required resources (HW/SW)	<ul style="list-style-type: none"> • Frontend: Next.js, JavaScript, CSS • Backend/Infrastructure: AWS (cloud hosting, authentication, database) • Collaboration & Development: VS Code, GitHub (version control)
Technology disclosed? If so, what?	<ul style="list-style-type: none"> • API limitations or integration issues • AWS deployment/hosting complexities • Data security and HIPAA-like considerations
NDA or IP assignment agreement requested?	
Other notes	

As a member of Project Team, I agree to attend project meetings regularly, participate in developing project actively, and make a full effort to complete this project as proposed.

<i>Chance Biddle</i>	9/18/2025
Team Leader	Date

<i>Mary Johnson</i>	9/19/2025
Team Member 1	Date

<i>Cayla Hale</i>	9/20/2025
Team Member 2	Date

Ibigoni Inye-Tam	9/16/2025
Team Member 3	Date

Team Member 4	Date
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As the Faculty Advisor, I agree to meet regularly with the student project team, manage their activities, and participate in the evaluation of project deliverables.

David Liu	<i>David Liu</i>	9/19/2025
Faculty Advisor		Date

As the Project Sponsor, I agree to communicate with the student project team as needed to provide information related to project scope, requirements, assumptions, constraints or other items that may impact project success, and to participate in the evaluation of project deliverables.

<i>Judith DeLury</i>	09/18/2025
Project Sponsor	Date

Technology and ECCN:

"If your project involves 'technology' that is either (a) not publicly available or (b) includes proprietary source code (not executable files), then it requires an ECCN." 'Technology,' for this purpose, is defined as "information necessary for the development, production, use, operation, installation, maintenance, repair, overhaul or refurbishing of an item. Technology may be in any tangible form, such as written or oral communications, blueprints, drawings, photographs, plans, diagrams, models, formulae, tables, engineering designs and specifications, computer-aided design files, manuals or documentation, electronic media or information revealed through visual inspection."

Interactive tool to determine ECCN:

<https://www.bis.doc.gov/index.php/export-control-classification-interactive-tool>

NDA and IP Assignments:

The sponsoring company typically has NDAs and IP assignment forms that it wishes to use. Neither the NDA nor the IP assignment is an agreement with Purdue directly; these agreements are between the students and the sponsoring company. Of course, our office can review the company-provided documents to be certain it aligns with Purdue's standards. Alternatively, our office has draft agreements which we could provide for the sponsor's use. Again, as NDAs are between the student and the sponsor, Purdue cannot be a party to or advise the sponsor or the student on the NDAs, other than to outline some basic expectations as to fairness and suitability of the NDA to a student project.

Sponsor Acknowledgements:

By way of background, Purdue University professors who have senior capstone class projects involving outside sponsor companies notify our office so that we can prepare an acknowledgement form for the sponsoring company's completion. This

is not a contract but an acknowledgement form signed by sponsoring companies which lays out Purdue's guidelines regarding class projects and outside company inputs, potential export control issues, and student intellectual property. Some sponsoring companies offer a monetary donation to the project, but that is not a requirement.