

Senior Capstone Project Proposal

Project Team ID: 1

Project Title: Appointment Scheduling Application for Big League Barbers

Team Members

Member	Name	Email
Team leader	Prem Krishna Lavu	lavup01@pfw.edu
Member 1	Suliman Alsallal	alsas03@pfw.edu
Member 2	Connor Springer	spricg02@pfw.edu
Member 3	Myles Olagbegi	olagma01@pfw.edu
Member 4	Grace Lueking	luekga01@pfw.edu

Faculty Advisor

Name / Title	Jay Johns
Office	ET125M
Phone	260-481-6343
Email	jdjohns@pfw.edu

Project Sponsor (Optional)

Contact person	Erin Paino
Contact info	260-432-9349
Company name	Big League Barbers
Address	6715 W Jefferson Blvd, Fort Wayne, IN 46804

Project Description

Type	Application development	Research-focused	Information systems
Abstract	<p>Big League Barbers has requested the development of a mobile application that enables streamlined appointment scheduling at a Big League Barbers location. This application is required as an improvement to the currently used system and is needed to allow greater convenience for the end-user.</p> <p>This project intends to deliver a modern scheduling and loyalty app for Big League Barbers. Customers will be able to easily book appointments,</p>		

	choose barbers, receive reminders, and earn discounted haircuts and referral discounts through the rewards system. The application should also allow the end-user to create an account which can be used to identify the user for appointments, referrals, and discounts on both the application and the website. The tech stack used will be React, Node.js/Express.js, and SQL Server.
Requirements	<ul style="list-style-type: none"> • Schedule haircuts by themselves and with a beard trim. Have haircut with beard trim take up two slots on their schedule. • Create accounts for users that store their name, email, and number. • Promote special offers and coupons on the app and through push/email notifications. Allow users to opt in for the notifications. • Include the 7th inning stretch system. The user's 7th haircut is 7 dollars off. Users get a notification via email and text when they have reached 7 haircuts. • Send out reminders for appointments that contain who it's with, the type of service, and the time. If they don't request a specific stylist, have it automatically go to the next stylist available.
Optional features	<ul style="list-style-type: none"> • When an appointment is cancelled, have it show up as cancelled or as a free slot on big league's end. • Users have referral codes. If a user refers someone, give the user \$2 off their next haircut. Can be applied automatically.
Required resources (HW/SW)	<ul style="list-style-type: none"> • Visual Studio Code • Github for version control • SQL Server Management Studio for database management • Figma
Technology disclosed? If so, what?	<ul style="list-style-type: none"> • Node.js for runtime environment • Git for version control

	<ul style="list-style-type: none"> • React for front-end framework • SQL Server for database • MSSQL for database interaction
NDA or IP assignment agreement requested?	N/A
Other notes	<ul style="list-style-type: none"> • Big League Barbers uses proprietary software called GuestVision to handle appointment tracking and scheduling. To implement improved appointment scheduling, we will need to gain access to their API on Big League Barbers' behalf. • A previous website exists for Big League Barbers; we plan to contact the website developer to gain insight as to how certain features were implemented. • Big League Barbers has requested we do not use QR or barcodes for referral or promotional codes, as they do not have a scanner to read them.

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.

Team Leader Date
Prem Krishna Lavu **09-14-2025**

Team Member 1 Date
Suliman Alsallal 09-14-2025

Team Member 2 Date
Connor Springer 09-14-2025

Team Member 3 Date
Grace Lueking 09-14-2025

Team Member 4 Date
Myles Olagbegi 09-14-2025

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.



Faculty Advisor

09/18/225

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.



Project Sponsor

9/18/25

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>

NDAs 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.