August 30th, 2025 | IT Capstone

Business proposal

This proposal outlines a streamlined solution designed to address key business challenges and drive growth, and connectivity within the business allowing seeming easy backend management and clear UI design for the business leadership.

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| problem statement | solution |
| We are working with a local Community College who works with students to earn them Technical Degrees for the workforce, they want to expand Student Events and Clubs and allowing students to easily communicate to each other on a private forum for the campus to put out these types of events. Usage of an RSVP System and QR Codes to allow easy sign-ups for students. This forum can also create different roles for the required users. | Our solution is to create an online forum that is under the College’s domain and be able to allow admins to create users and integrate it using the organization’s email system. We will be using Azure Services to also create a Database to store secured information like logins and forum data. On the networking side we will be using a Data Rack with a Computer being able to run these servers 24/7, Connect to the main Network of the college, using a Core Switch to link to several data links. We will use an online RSVP Service to be able to create QR Codes and Sign-up sheets to make the process easy for students. |
| ASSIGNMENTS |  |
| * Eduardo: Front End, Managing UI Elements of the Forum. Allowing Admins to create User Roles, and Login Page for Students. * Kayla – Database creation and integration of the website. * Wendell: Recording important Data and QR/RSVP Creation Tool | * Fabrizio: Managing the Networking and ensuring the system is connected to the College backend. Being able to connect it to a Domain, Setup Firewalls for protection using IP’s and ports. * Services: Azure, MySQL, QR.io, JotForm for RSVP, Proxmox for VM, and Cloudflare for backend domain setup. |