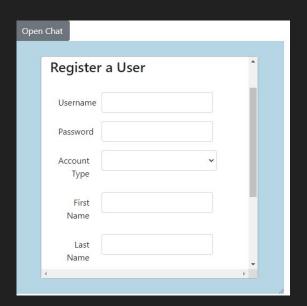
Secure Chat

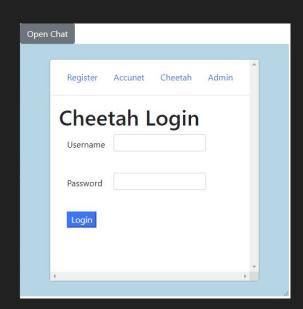
Ben Eger, Ethan Holland, Mercedes Thompson, Nicole Gerber

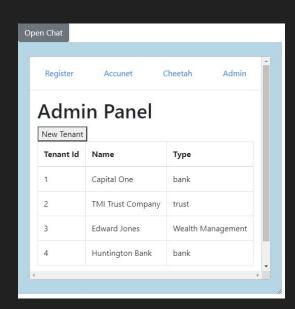
New Functionality

- Resources are protected by JWT Token
 - Tokens are managed by axios
 - Passed through header securely
- User Registration
 - Form to register new users w/ information
- User Login
 - Authenticated login pages for each client
- Admin Panel
 - Manage Tenants
 - Create
 - Delete

Aesthetics

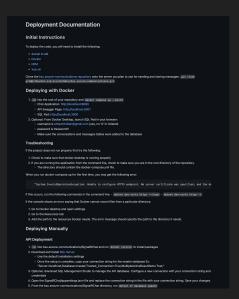






- Added global rules for components and pages to follow

Documentation



Development Documentation Techstack make sure you have the following installed: Docker Desktop (optional if you are comfortable without the ui) AspNetCore / .Net 3 . SQL Server (We use the development edition) Make sure to save the connection string for the 'master' database. SQL Server Management Studio (optional for testing and managing the database) Directory and File Structure The three main modules at the top level of the project are BasicVue , SignslRChat , and SignslRChat.Tests 1. BasicVue contains our Vue js frontend 2. SignalRChat contains the API 3. SignalRChat.Tests contains unit tests for the API Setup with Docker (Preferred) 1. Clone project in the terminal: git clone gitgbitbucket.org:accutechdev/bsu.secure-communications.git 2. To build and run the docker container, cd into the root of the repo and run docker compose up --build sglpad: Locathost (3888) (username: ethanmhollan, password: Password!!) 3. Seed the database the first time you build the application (For future builds, just run docker compose up --build) Seeding the Database Make sure the docker container is running (docker compose up —build) 2. Change the SQL connection string in appsettings json from "server=sql; ..." to "server=localhost,1433; ..." 3. od into the SignalRChat subfolder and run dotnet ef migrations add initial —msbuildprojectextensionspath obj/local 4. Run dotnet ef database update 5. From Docker Desktop, launch SQL Pad in your browser: o password is Password1! Make sure the conversations, messages, users, userconversations, and tenant tables were added to the database 6. Copy the contents of the SQL/seed.sql script into SQL Pad and execute the query. This will seed the database. 7. Change the SQL connection string in aposettings ison from "server=localhost,1433; ..." to "server=sql; ..." and save your changes 8. Rebuild the container: docker compose up --build from the root of the repo. Manual Setup

Login

User

Register url should be · Type desired username and password into respective fields . Type your first name and last name into respective fields . Type your phone number into the phone number field . Select appropriate account type from the drop down. · Select appropriate Tenant from the drop down. . Click 'Submit' and if username is unique it will redirect to login · Type in your username and password into respective fields Accunet User -this is the account holder, client of the tenent. Or meta-client if you . If this is the first time using, then the sidebar will be empty. Type the subject or reason for communication in the field below Join new · Responses back from the tenent will also appear in the chat box Cheetah User -this is the employee of the respective tenent . Open conversations will be listed, there is a link to manage users connected to the tenent that can be deleted or edited . The chat will have the Accurret user information on the side . Type the desired message into the field and click the send button to the submit message, it should appear in the chat box above. Accutech Admin Panel -Accutech user to moderate all tenents . Displayed is a 'New Tenent' button, a list of tenents, and a 'delete tenent' button. . After clicking the New Tenent button, type the name of the Tenent, and the type of Tenent into the new fields. Click button to create a . After clicking the 'delete tenent' button, a notification that 'delete mode' is on. Click on a tenent, and user will be asked if thay are sure they want to delete. No will not delete the tenent. Yes will delete the tenent. · clicking either button will turn off creating and deleting

Deployment

Development

User

Mentor Feedback

- Kade recommended the use of JWT tokens and axios to keep the front end and data secure
 - Axios allows us to use the JWT token in the frontend without the risk of an insecurity

- Said to automatically run seed the database so we don't have to manually run migrations
 - It's been added to update the database on startup

Client Feedback

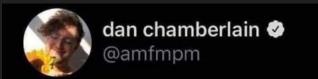
 Scott said that he really like what we have so far and is thinking of all kinds of ways to implement it into their systems

 Scott also said there probably won't be someone monitoring the chat all day, so an sms/email notification that a message has been received would be a good feature to have

Next Iteration

- Cheetah Panel
 - Manage open conversations
 - Reply to users by opening their conversation
 - Close conversations after their complete
 - Filters open and closed tickets
- Testing
- SMS/Email alert that a message has been received
- Polishing
 - Bug-fixing
 - Refactoring
 - Messages displayed with timestamp
 - Aesthetic fixes

Random Slide



fourth law of robotics is ya gotta make it so the eyes go red when they turn evil

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