Server Side

API (including Models, DTOS, and Controllers) — .Net (C#) ⟷ Database(SQL)

Client Side

Controller(s) — Component files (except CSS and HTML), services, resources ⟷ Model(s) — Model file(s)

View(s) — HTML CSS

Server side:

Database- holds all data according to business logic, is accessed (CRUD) through .Net. , debugged using SQL language (I am unsure)

.Net – interacts with both client side (through API) and database (through SQL), hold business logic for the database (in model files), is debugged in Visual Studio, and VSCode (I think)

Client Side:

Angular-

Models files hold front-end business logic.

View (HTML and CSS) are what the client sees and are created for each component.

Controllers are component .ts files, including resource and service files, which interact directly with API (in .Net) to send and receive information (CRUD)

This layer can be debugged using VSCode debug tool and Chrome Dev Tools (That I have used thus far).

Re-Data sent to DQ issue

What I knew before Getting your help was that nothing was changing when I removed "Date sent to DQ", but "should" have changed. I did not understand Subjects, and Will sent me a simple app to try and understand. I knew the logic for the issue was in .Net meaning, Will and I set up the if statement for the DateSentToDQ (to verify if it exists and the StatusTypeId's value) to change the statusTypeId to change depending on the outcome of that statement. It wasnt changing, and I was unsure how to debug this situation.

After using Chrome Dev Tools to check what information was coming from the API (through the Network tab), then modifying the RoundCreated Subject to receive a parameter, we discovered the underlying issue was that I was using RoundAssignmentRepo.UpdateRound instead of using RoundAssignmentView.UpdateRound which was overwriting using the last saved info from the db. RoundAssignmentView would use the info sent from the client side, which is what we needed.

The advice I would give another developer if they experienced the same issue would be to use the Chrome Dev tools to ensure the correct information is coming from the api when triggered, and if not, to debug the Controller of that api. Also, I have to admit that I didn't really understand the different between RoundAssignmentRepo and RoundAssignmentView, so learning that difference definitely cleared that info up for me.