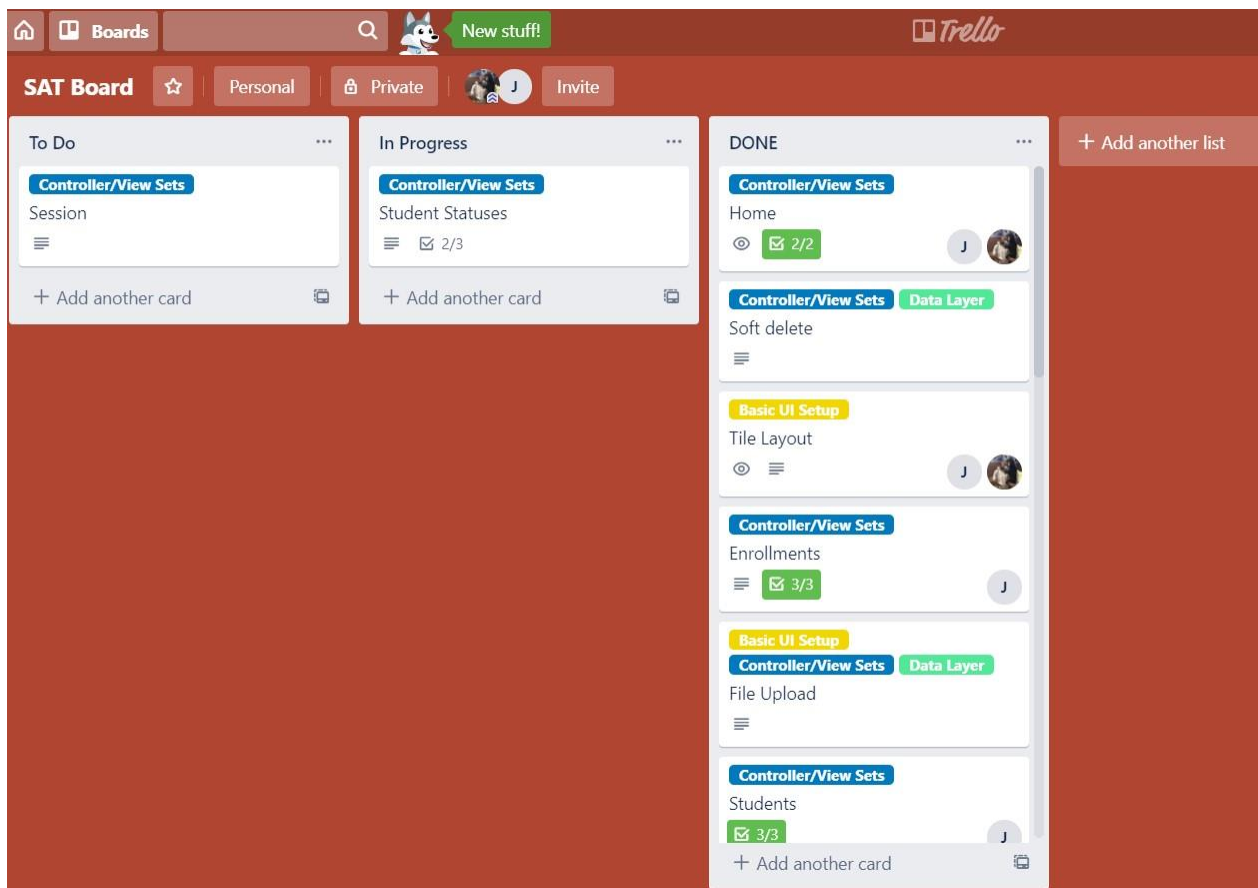**Roles:**

Justin:

- Created/Secured Controllers, confirmed security
- Set up Identity/Connection strings/custom Admin
- Secured Views for CRUD functionality
- Template search and conversion, created Layout
- Created file upload functionality

Rachel:

- Built Data layer
- Added Metadata and custom properties
- Created soft delete functionality
- Created Tile View

We did the rest of the tech together switching between Driver and Navigator Roles.
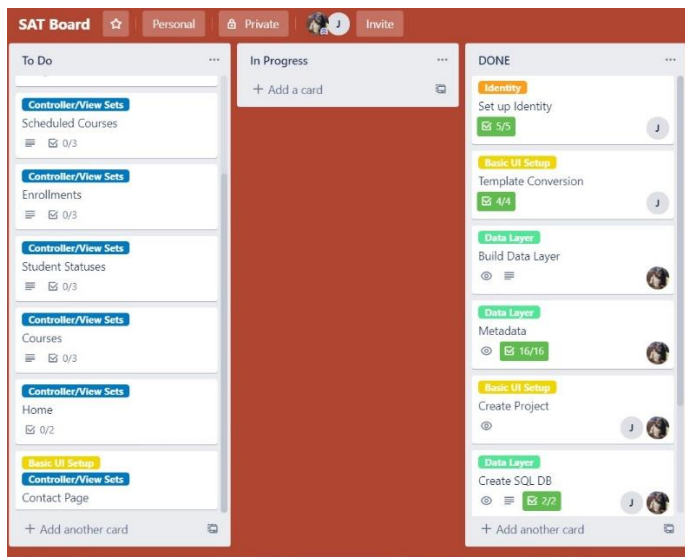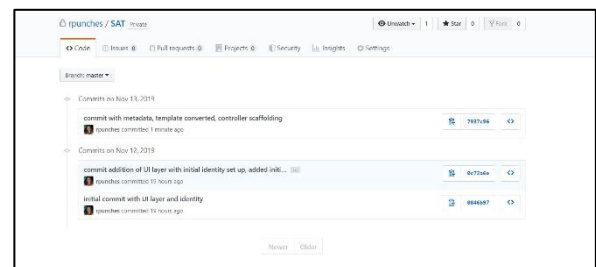

Trello Board complete

Project Requirements:

- Data driven
- 2 tier
- Full CRUD functionality
- Three user levels: Anonymous, Scheduling Administrator, Administrator
- Custom properties for the Student Name and Scheduled Classes
- Ability for user to upload an image in the Create Student View and display in the Student Details View
- A soft delete toggle for the Courses switching the functionality between "Activate" and "DeActivate"
- A toggle for students who are labeled "current" and enrolled in a course
- Tiled layout for Student Statuses

Development Process:

We created this website using Pair Programming methodology and one machine. We used a Trello board to keep track of our tasks and progress. A repository was created on GitHub for regular commits and pushes.
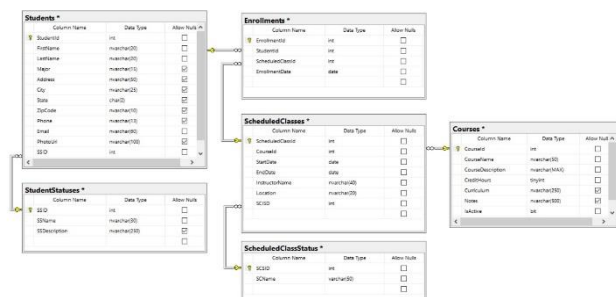

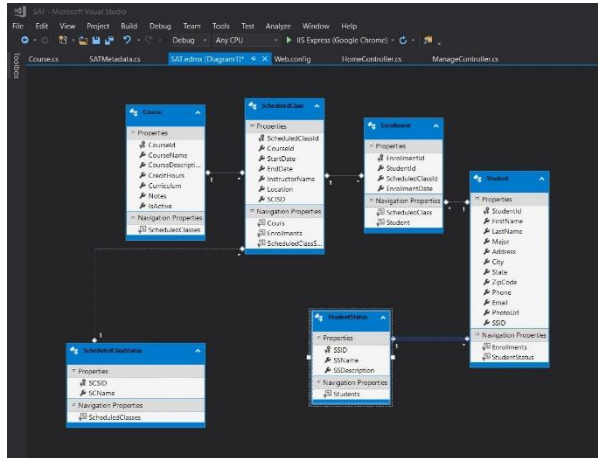GitHub Repository

Trello Board

Technical Process

We took the existing schema and created a SQL database to populate the database with.

Database Diagram

We then created a project in Visual Studio and built out the UI layer with Entity Framework and Identity. We set up authentication and the custom Admin role through the website. We added the Data Layer from the SQL server.

Connection Strings

Database edmx

We added all the metadata and custom properties to the Metadata folder we created in the SAT.DATA.EF layer. We added the custom properties "FullName", "FullAddress", and "ClassSummary".

We took a template that we found and converted over to the MVC UI layer. We converted the Layout page first and then moved on to the main Index page.

We created the Controllers and went through and secured those first before moving on to each View and securing the links.

After basic functionality was completed, we moved on to customizing and styling the template starting with the Main Index Page.

Main Index Page

We applied formatting and then styled with a CustomStyles CSS sheet.

With formatting, without styling

With formatting and styling

With formatting, without styling

With formatting and styling

User Documentation

Home

- Home Index
- Contact
- Students
- Enrollments
- Courses
- Schedule Classes
- Student Status

Actors: Anon, Admin, Scheduling

100%

Students

- Index
- Create
- Edit
- Details
- Delete

Actors: Anon, Admin, Scheduling

Scheduled Classes

Anon

Admin

Scheduling

Index

Create

Edit

Details

Delete

100%

Student Status

Anon

Admin

Scheduling

Index

Create

Edit

Details

Delete

100%

Enrollment

Actors: Anon, Admin, Scheduling

Use Cases:
- Index
- Create
- Edit
- Details
- Delete

Courses

Actors: Anon, Admin, Scheduling

Use Cases:
- Index
- Create
- Edit
- Details
- Delete

100%