

Capstone Project Notebook

01.26.2023

Sammi Sortzi
Kyle Warner
Mike Tonder

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The Team

Sammi Sortzi

Generalist / Scrum Master

Sammi Sortzi is a full time 3rd year student at NMC pursuing a bachelor's degree in Computer Information Systems. She enjoys programming in Python the most, but she has extensive experience also in Javascript and C#.

Kyle Warner

Backend Specialist

Kyle Warner is a full-stack student web developer currently finishing an associate's degree in the Computer Information Technology program at Northwestern Michigan College. He loves problem-solving and learning about all different kinds of new technologies that open up new possibilities as a developer, as well as help to write cleaner and more maintainable software. He is most comfortable in Javascript but also has experience with C#, Python, and Ruby.

Mike Tonder

Frontend Specialist

Mike Tonder has a BA in traditional art/graphic design and has worked as an artist in the movie and gaming industry. He's currently taking classes at NMC for web-design and also learning some coding along with it.

Overview

The purpose of this project is to give Louis Slyker and the Antrim County Bridge club a more feasible and user-friendly application for their members to use. The members of the Antrim County Bridge club had expressed interest in the ability to have one consistent web page where members can find partner games, look up dates, times, and gathering locations for active bridge games and lessons, and compare their scores with various formats provided by the bridge club leagues. The website that we are creating is going to be more accessible and easier to use than the web page that is currently being used (BridgeWebs), while also utilizing some of their features such as score recording.

Project Proposal

Overview

The goal of this project is to design, develop, and publish a new website that will act as the home for Antrim County Bridge Club's online activities. The website will display information pertaining to the club including banner-style announcements and a gallery/bulletin board for photos and text posted by the web administrator. The website will also contain features that store and display club schedules including date, time, and location, as well as a "Find a Partner" feature for club members to use. For more advanced features such as score reporting, we may leverage their existing platform (BridgeWebs) as an external resource.

Stakeholders

This project is being developed for the Antrim County Bridge Club including all of its members and managers, both current and future, with Louis Slyker acting as the current client representative.

Detailed Description

Development Environments

- The product will be developed as an ASP.NET 6.0 MVC application using Visual Studio 2020+.
- The source code for the product will be stored in a git repository on the cloud using the hosted git service GitHub.
- Team members will each have their own copy of the repository including latest changes stored on their local machines for development and testing purposes.

Deployment Environments

The product will be deployed on the cloud hosting service *myASP.NET*. This is an all-in-one service that will support the web server, database, domain registration and SSL encryption.

BridgeWebs, used as an external service for score reporting and analytics, will be hosted by their proprietary provider and billed separately to the client. This product will link out to the BridgeWebs platform when necessary.

UI/UX

The UI will be a collection of web pages viewable in any modern web browser (Chrome, Firefox, Safari, Edge) developed using Razor Pages as the templating language. The UI will also utilize Bootstrap (or similar design framework) to ensure a consistent look and feel of the product.

To provide the best experience possible for everyone, the product will be designed with ease-of-use and accessibility features in mind, including planned support for users of screen reader technology.

Estimated Annual Cost of Deployment

Item	Cost	Rate
.NET Advanced	\$4.95	Monthly
Domain (.com)	\$12.00	Yearly
Static IP	\$2.00	Monthly
Whois Privacy	\$8.00	Yearly
BridgeWebs	\$49	Yearly
EST. TOTAL:	\$152.40 per year	



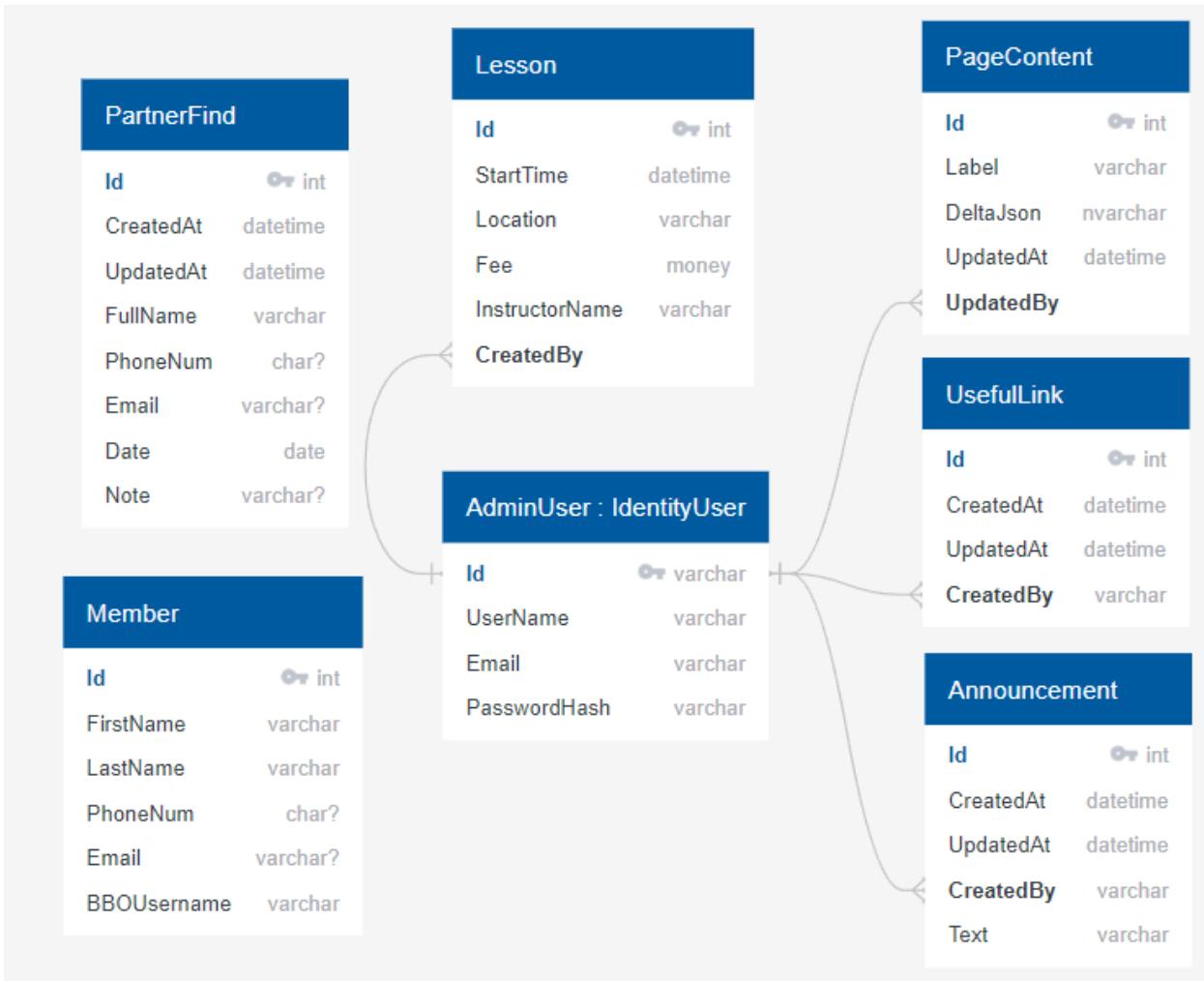
User Stories with Acceptance Criteria

#	As a(n):	I want to...	Acceptance Criteria	Pass/Fail
1	User	Find a partner for a bridge game on a specific date and time.	Post your contact info plus date & time for when the game will happen. This will just have an area for you to input your info and have it posted. Posts will be deleted as the date expires.	Pass
2	User	View the latest announcement posted by the club (weather closings, etc)	A banner style element in the website layout showing the announcement	Pass
3	User	View game schedules for when and where games are happening.	This will be a read-only section the user can view. It will list times and dates for games during a specific timeframe (most likely on a monthly bases)	Pass
4	User	View the results of games from 3 different sources for rankings and info.	Have links users can follow to each source's webpage. One that goes to the ACBL page, one that goes to a local page for common games and one that goes to a bridgewebs page. Each offers different info about the games played.	Pass
5	User	View game lesson dates/times	Have a read-only area that provides dates and times lessons are available.	Pass
6	User	View a gallery page to see photos and info on the latest games, players, or happenings in the bridge club community.	A page that will showcase bridge club players, happenings at an event or game and other interests pertaining to the club. This page will be updatable/editable by the Admin.	Pass
7	Admin	Post/edit announcements pertaining to the club for users to read.	Have a password setup so the Admin can gain access to the page for posting, editing and updating purposes.	Pass
8	Admin	Update schedules for any upcoming game times and dates for the club.		Pass
9	Admin	Update/edit the gallery page.		Pass
10	Admin	Update/edit game lessons dates/times.		Pass

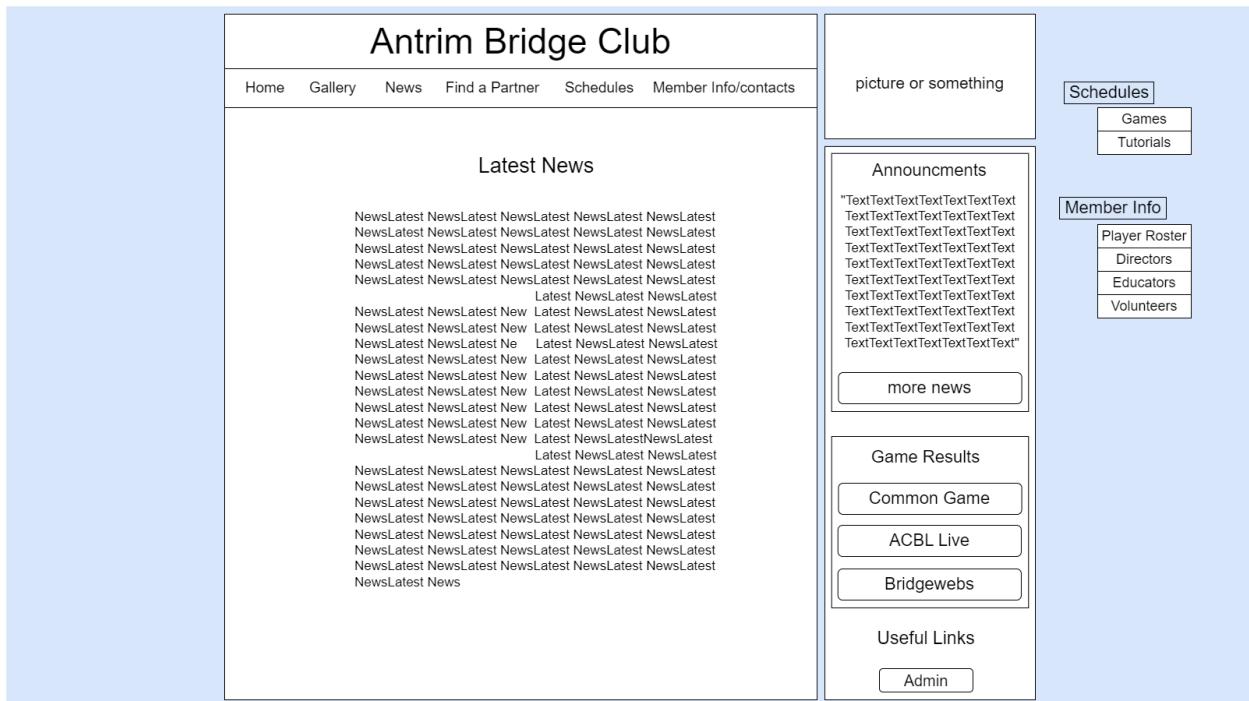
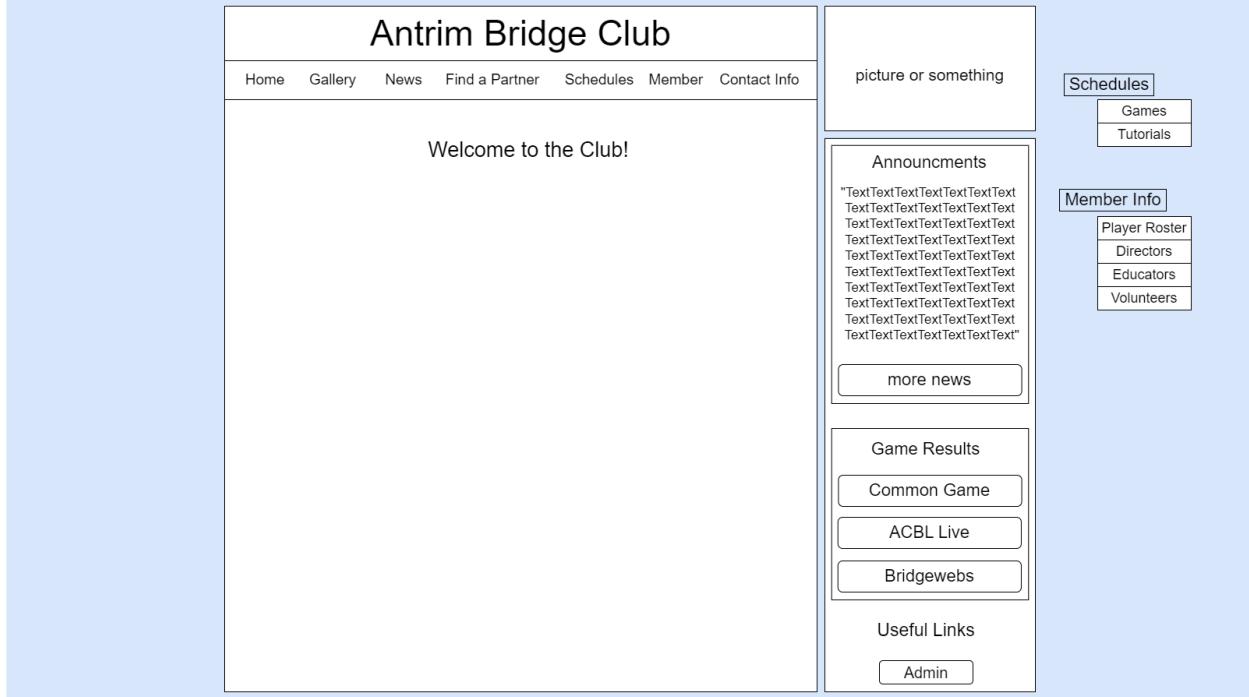


#	As a(n):	I want to...	Acceptance Criteria	Pass/Fail
11	User	Enter the club's Simple Password only once (per browser or session)	Simple password is stored in Http Only cookie after successful auth flow	Pass

Entity Diagrams



Wireframe Diagram



The home page for Antrim Bridge Club features a header with the club's name and a navigation menu. Below the menu, there is a section for Directors (or Educators, etc.) with a placeholder image and descriptive text. Two more sections follow, each with an image placeholder and descriptive text. On the right side, there are several sidebar modules: Schedules (Games, Tutorials), Member Info (Player Roster, Directors, Educators, Volunteers), Announcements (with placeholder text), more news, Game Results (Common Game, ACBL Live, Bridgewebs), Useful Links, and Admin.

The Players Roster page for Antrim Bridge Club displays a table of player information. The table has columns for Name, Contact Phone #, Email Address, and BBO Name. Each row contains a repeat entry of "John Smith" with the phone number 555-555-5555. To the left of the table are Sort By and Search Name buttons. The right side of the page includes the same sidebar modules as the home page: Schedules (Games, Tutorials), Member Info (Player Roster, Directors, Educators, Volunteers), Announcements (with placeholder text), more news, Game Results (Common Game, ACBL Live, Bridgewebs), Useful Links, and Admin. Additionally, there are buttons for Sort By, First Name, and Last Name.

Antrim Bridge Club

Home Gallery News Find a Partner Schedules Member Info/contacts

Gallery

(Layout dependant on quill and admin)

image

Text Text Text Text

image

Text Text Text Text

picture or something

Schedules

- Games
- Tutorials

Announcements

"TextTextTextTextTextTextText
TextTextTextTextTextTextText
TextTextTextTextTextTextText"

more news

Game Results

- Common Game
- ACBL Live
- Bridgewebs

Useful Links

Admin

Antrim Bridge Club

Home Gallery News Find a Partner Schedules Member Info/contacts

Useful Links

This page specifically contains links to other sites or pages of interest to members. Click on the header to take you to the site or page.

Petosky Bridge Club

Traverse City Bridge Club

BBO

Vu-Bridge

A free bridge website with many interesting articles and hands by bridge experts Paul Bowyer, David Bird and others.

No Fear Bridge

Learn bridge! No Fear Bridge is the most fun way to learn bridge. The website for learners.

The member's site is packed with online learning activities for bridge beginners, improvers and advanceds.

Mr Bridge

A useful bridge site with a library of systems and conventions and a regular newsletter

EBU

Official English Bridge Union Site

picture or something

Schedules

- Games
- Tutorials

Announcements

"TextTextTextTextTextTextText
TextTextTextTextTextTextText
TextTextTextTextTextTextText"

more news

Game Results

- Common Game
- ACBL Live
- Bridgewebs

Useful Links

Admin

The screenshot shows the 'Antrim Bridge Club' website with a light blue header bar at the top. The main content area has a white background. At the top left of the content area, there is a navigation menu with links: Home, Gallery, News, Find a Partner, Schedules, and Member Info/contacts. Below the menu, the title 'Find a Partner' is centered. To the right of the title is a form with five input fields: Name (John Smith), Contact Phone (555-555-5555), Email (jsmith@yahoo.com), Date (00/00/00), and Type (199). Below the form is a 'Post Request' button. To the right of the form is a sidebar with several sections: 'picture or something', 'Announcements' (with placeholder text consisting of multiple 'Text' blocks), 'more news', 'Game Results' (with links to Common Game, ACBL Live, and Bridgewebs), 'Useful Links' (with an Admin link), and 'Member Info' (with links to Player Roster, Directors, Educators, and Volunteers). A small downward-pointing arrow is located between the form and the sidebar.

This screenshot is identical to the one above, but it includes a 'Password Required' message at the bottom of the main content area, indicating that a user must log in to access the 'Find a Partner' feature.

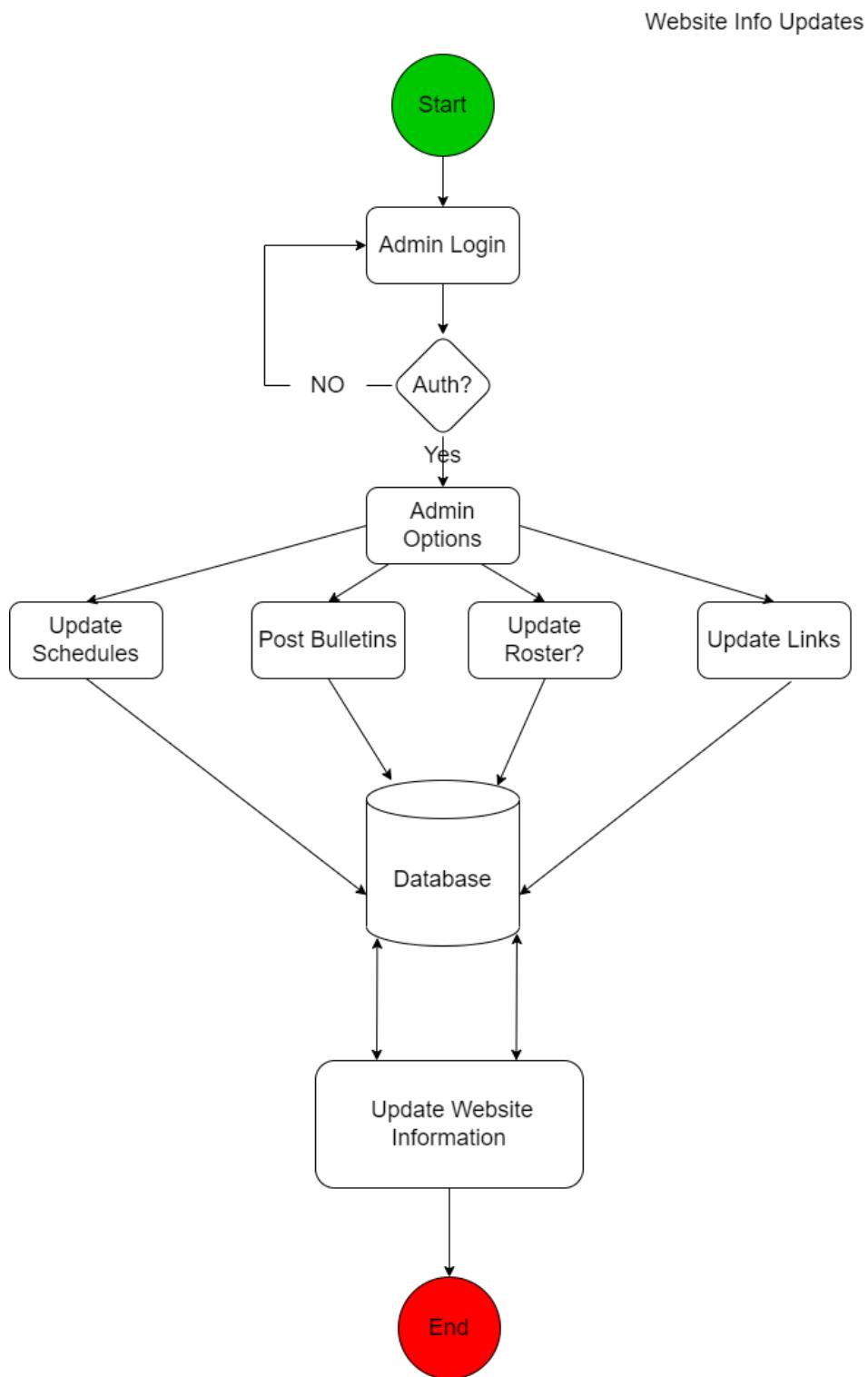
Club Menu

>> Bio (no password)

>> MemberInfo (phone#, email. Need password)

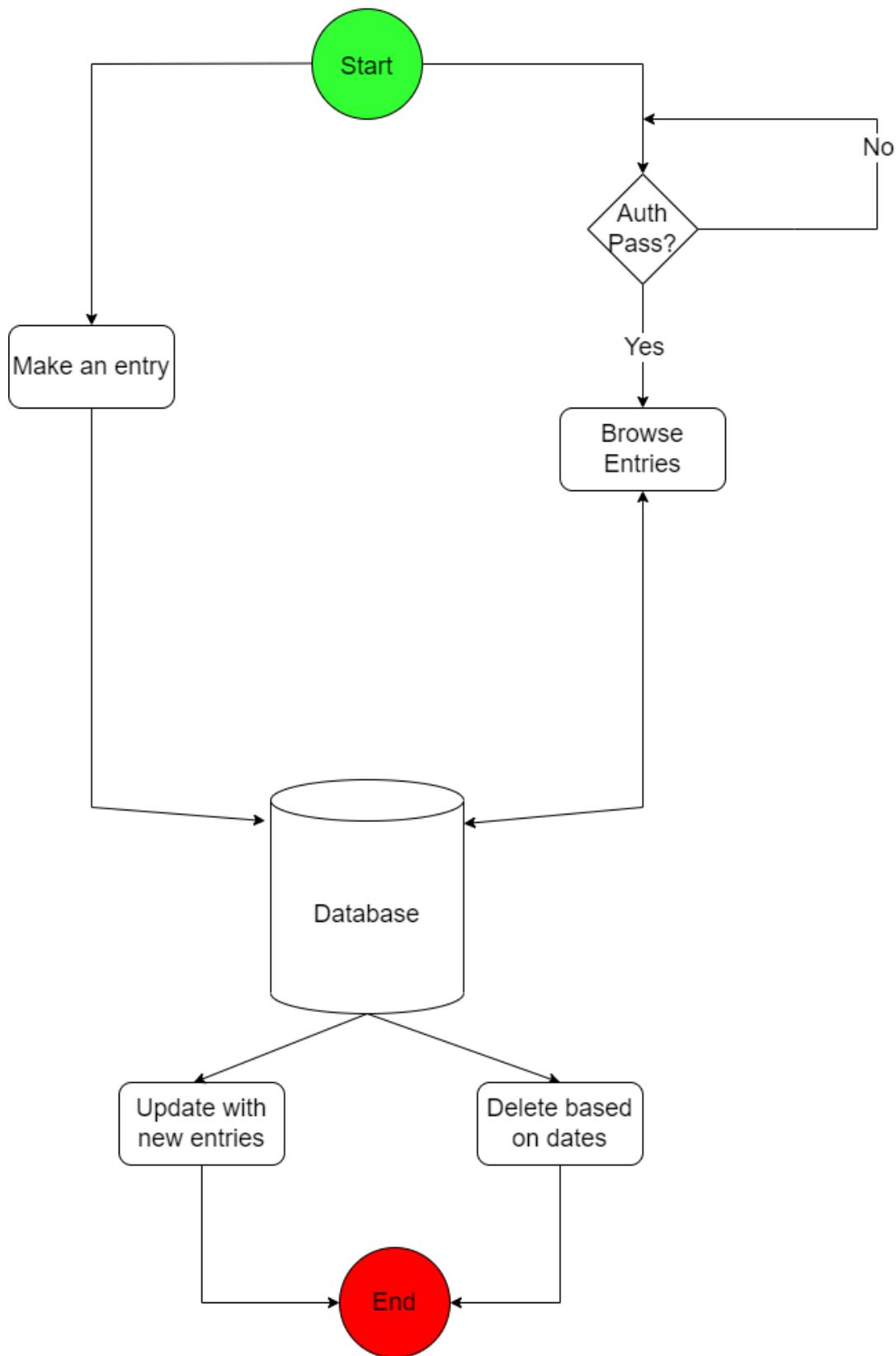
">>" = submenu

Flow/Action Diagrams

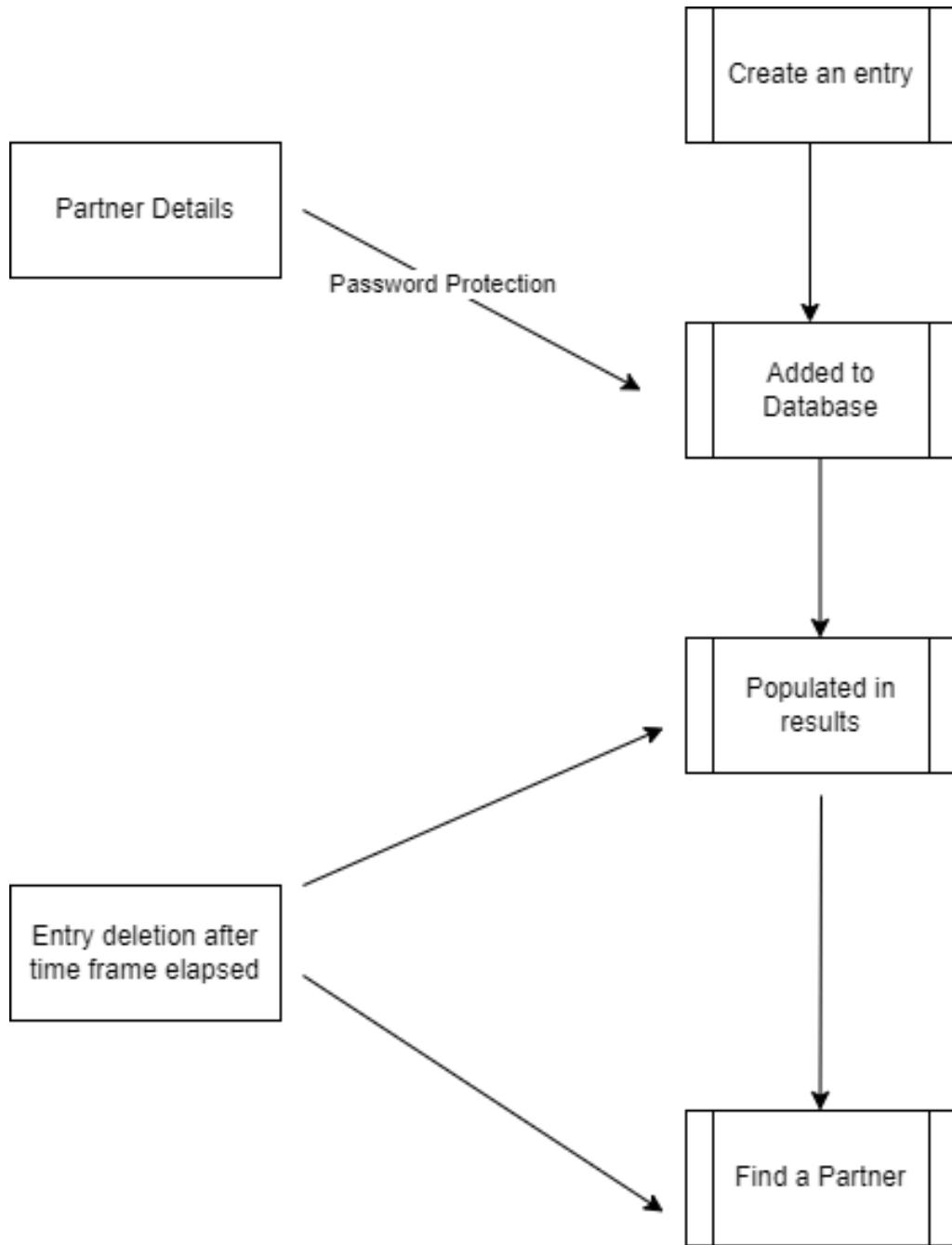




Find A Partner



Data Flow Diagram



Questions/Concerns for Client

- Other contact info for teachers/directors/etc. (Additional page or section of page?)
 - Yes bio page, no contact info (name, bio), additional page or added to gallery up to us?
- What should we link to for ACBL, CommonGame?
 - ACBL - link goes to ACBL homepage (we have the link to antrims ACBL scores)
 - Common game - the link is on antrim's bridge webs
 - Bridgewebs - bridgewebs/antrim
- Clarify that the competition & masterpoints won in club w/ history is being done on BridgeWebs
 - Possibly lifted from bridgewebs (petoskey utilizes this)
- Any additional pages (accomplishments?)/static information to include?
 - News page, articles whatnot this will include accomplishments including rank changes; gallery is also static information possibly
- How many expected Useful Links at a time?
 - 10 ish
- How does scheduling work (one-off vs recurring)? How far ahead are games scheduled?
 - May-october thursday torch lake township (regular game?), Other 6 months alden library
 - Issues with the scheduled venue gets put in bulletin/announcements
 - Games are scheduled rather regularly, usually same time and same place
 - Seasonal change of calendar/schedules
 - (Maybe use bridgewebs? Last resort option though)
- Clarify user flow for Find a Partner
 - *Skipping this one for time and due to new information*
- Clarification on "simple password" implementation. Possibly a button action. Something to deter web crawlers without complex authentication
 - Deweese? Password, clarify spelling
 - Restrict access to members roster, asking for partner shouldn't be behind password
- What exactly would you like to be able to update thru dashboard?
 - Gallery, Announcements, news page with accomplishments from above,
- BridgeWebs login information?
 - No progress on this, we may not need access we might be able to just link out to the various bridgewebs features we're leveraging
- We need the ability to input multiple (2) phone numbers per person/entry in the member roster
- Find a partner notes section
- Main page, description of club, introduction brief history stuff whatnot



3/23/2023 Update

- He has a CSV file to send out to Lisa
- Bulletin or announcement on homepage either verbiage is fine
- Flip flop the score links, ACBL and Common game
- No preference or objection to color scheme, maybe toned down a little bit.
Incorporate the ACBL logo somewhere preferably homepage.
- Likes san serif
- Next meeting April 13 @ 5:30



Sprint 1 - Planning

Overview and Goals

The goal of this sprint is to establish the team and become familiarized with the client and product including the general requirements and features. We will establish communication and planning tools such as a text/voice meeting server, kanban task board, and a project notebook. We will also determine team member roles, outline the System Development Life Cycle, and begin writing user stories.



Tasks Report

Task / Story	Team Member(s)	Outcome
Establish communication & collab system	All	Discord server was created & all members joined
Choose a client product	All	The product is a new website for Antrim County Bridge Club
Establish online kanban board	Sammi	Sprint 1 & 2 boards created and populated with members and tasks
Assign team member roles	All	Roles defined as outlined in section The Team
Setup time tracking	All	Using Clockify to track time
Project notebook	All	Project notebook is completed in full up to S1 deliverables
SDLC Presentation	All	Powerpoint was completed and presentation was presented

Sprint Reflection

The majority of tasks done for sprint 1 centered around us planning out the application. This included us having our first meeting with our client, we had the opportunity to go over what he wanted from this app and define the scope of what we are able to do in the time provided. We also created our communication server and kanban boards to help with task management. There weren't really any issues to be resolved right off the bat, the tasks for this sprint were pretty straightforward; we just had to make our respective accounts and make sure each person was added to the kanban boards and communication server.

Time Report



Sammi Sortzi



Task	Time (hh:mm)
Team planning/discussion	02:00
Client Meeting	01:00
Project planning	02:00
Project Notebook	03:00
Kanban Creation & Communication Server	02:00
SDLC Presentation	02:00
TOTAL:	12:00

Kyle Warner	
Task	Time (hh:mm)
Team planning/discussion	02:00
Client meeting	01:00
Project planning	02:00
Project notebook	02:00
Notebook & SDLC Presentation	03:00
Sprint 1 closing work	0:30
TOTAL:	10:30

Mike Tonder	
Task	Time (hh:mm)
Team planning/discussion	02:00
Client Meeting	01:00
Project planning	02:00
Project Notebook	00:30
Kanban Creation & Communication Server	00:00



SDLC Presentation	03:00
TOTAL:	08:30

Sprint Summary	
Team Member	Time (hh:mm)
Sammi Sortzi	12:00
Kyle Warner	10:30
Mike Tonder	08:30
TOTAL:	31:00

Team Sign Off

Team Member: Sammi Sortzi

Date: 02/07/2023

Team Member: Kyle Warner

Date: 02/07/2023

Team Member: Mike Tonder

Date: 02/07/2023

Sprint 2 - Analysis

Overview and Goals

In this sprint, we are focusing on preparing all necessary knowledge and materials in order to make the process of developing the application smoother and more efficient. We will perform a deep analysis of the product requirements, determining what is/isn't feasible, and generate diagrams that describe various aspects of the application including design, flow, and persistence.

Tasks Report

Task / Story	Team Member(s)	Outcome
Branch push/pull practice	All	PR workflow established, mandatory reviews agreed upon
Flow/Action diagrams	Sammi	Completed, in Project Notebook
Setup dev environment	Kyle	GitHub repo w/ branch protection
Setup prod environment	All	myASP.NET for all hosting
Setup CI	Kyle	GitHub Actions for automated builds/tests, required to pass before PR merge
Implementation budget	All	Cost estimate from proposal refined & edited
ER diagrams	Kyle	Complete, in Project Notebook
Data flow diagram	Sammi	Complete, included in Project Notebook
Wireframe diagrams for all interfaces	Mike	Completed, included in Project Notebook

Sprint Reflection

The tasks included in Sprint 2 all centered around getting our application foundation set up and deciding on a general idea of what the user interface of the website should look like. We spent most of our time in class collaborating on what our models would be, what we all wanted the interface to look like, and setting up our various development environments. We created wireframes, action flow, and data flow diagrams to convey our plans for various aspects of the application. Another class period was spent practicing on a mock GitHub repository going over branch separation, pushing/merging, and pull requests to prepare us for the next stage of development. We chose as a group to utilize a feature in GitHub that requires a 2nd party approval of pull requests just to safe-guard the application and give us all an opportunity to be able to see changes as they happen; in addition to this feature we also are utilizing a GitHub function that does automated tests on each pull request to make sure there would be no major issues with merging to main.

Time Report

Sammi Sortzi	
Task	Time (hh:mm)
Data Flow and Action Diagrams	02:15
SDLC Presentation	00:45
Project Notebook Updates	01:00
GitHub Branch Refresh	01:00
Diagram Collabs	03:15
Sprint 2 Trello Creation	01:30
Quill Research	01:00
GitHub Actions Education	01:30
Meeting Prep and Discussion	01:30
TOTAL:	13:45

Kyle Warner



Task	Time (hh:mm)
Wireframes/Diagrams	05:30
SDLC Presentation	00:45
GitHub Repo	01:30
Product Discussion	03:15
Research	04:15
TOTAL:	15:15

Mike Tonder	
Task	Time (hh:mm)
Wireframes	7:00
SDLC Presentation	00:45
GitHub Branch Refresh	2:30
GitHub Actions Education	1:30
Meeting Prep and Discussion	1:30
Quill/Tailwind Research	3:00
TOTAL:	14:15

Sprint Summary	
Team Member	Time (hh:mm)
Sammi Sortzi	13:45
Mike Tonder	14:15
Kyle Warner	15:15
TOTAL:	43:15



Team Sign Off

Team Member: Sammi Sortzi

Date: 02/28/2023

Team Member: Kyle Warner

Date: 03/01/2023

Team Member: Mike Tonder

Date: 02/28/2023

Sprint 3 - Design

Overview and Goals

The main focus for this sprint includes the first steps in developing the application. As a group we will start work on initial design and base development of most of the applications functionality. The goal of this sprint is to get started on the actual development aspect of the client project including things such as getting the admin area created and implementing our extra features like Quill for areas that our client will need to edit.

Tasks Report

Task / Story	Team Member(s)	Outcome
Main page layout/ responsive layout.	Mike Tonder	A layout that scales nicely to multiple sizes.
Initialize project/repo	Kyle	Done - with a CI build workflow/check
Integrate Quill.js	Kyle	Done - with Services and a Tag Helper
Admin Area/Dashboard	Kyle	Done
CRUD Model Services	Kyle, Sammi	Base class done, some model services done. We need just a couple more added in the next sprint.
CRUD Model Pages	Kyle, Sammi	In-Progress, same as above
Model constraints/annotations	Sammi	Done - some models may need limits adjusted
Admin Authentication	Kyle	Done - Registration disabled and all Admin views protected
Club Pass	Kyle	In-progress - Functionality complete (including Middleware). Form needs styling, password needs to be editable

Sprint Reflection

The tasks that were completed during Sprint 3 included getting the project and all its required technology that we were implementing set up. Things like integrating Quill.js and creating our administrator dashboard for the client were all extensive processes that took some time to get working. The main page layout was created with responsiveness, most of the CRUD functionality was created for the pages that needed it, and Quill was implemented in the pages that did not need the scaffolding. All in all plenty of progress was made in terms of the application, but there is still a lot more to do before it's ready.

Time Report

Sammi Sortzi	
Task	Time (hh:mm)
Back-end Dev	12:30
Front-end Dev	3:45
Client Meeting	1:00
Project Notebook Updates	2:00
Trello Board Creation	2:00
TOTAL:	21:15

Kyle Warner	
Task	Time (hh:mm)
Project Dev	39:30
Code Review	03:00
Client Meeting	01:00
Project Notebook	01:00
TOTAL:	44:30

In Sprint 4 we will continue developing the application until it is fully functional and styled to completion. All required features should be implemented and all User Stories should be testable with passing outcomes. By the end of the Sprint, the codebase should be able to be frozen in a state that is ready for deployment to the production environment.

Tasks Report

Task / Story	Team Member(s)	Outcome
Main page layout/ responsive layout.	Mike Tonder	Tweeks to mobile layout remain to be finished. Layout is finished.
CRUD Functionality for all non-quill pages (except Announcements)	Sammi Sortzi	All of the non-quill pages are functioning correctly and as they should.
Security Dashboard	Kyle Warner	Admin dashboard webpage that lists admin accounts and allows to view/change the ClubPass
ClubPass middleware & persistance	Kyle Warner	A controller route decorator that lets routes be protected by the designated ClubPass, which is saved in the database, and auth stored in client's cookies for 90 days
Identity/Account Manage	Sammi Sortzi	Deleted some pre-built identity pages that were not necessary and rerouted the main admin header to the correct pages. Tailwind styling and removal of bootstrap to make more cohesive with the rest of the admin dashboard.
DB Items in main site	Kyle, Mike	Show latest announcement in _Layout, with in-memory cache for better performance. Display quill pages using a custom tag helper, plus (Mike) additional styling on the output to make images responsive
PartnerFind Service	Kyle Warner	Service class with custom methods to handle the deletion of expired entries
Move sensitive data to env vars	Kyle Warner	ClubPass and all default Admin account credentials (for seed data) were moved to environment variables. A debug configuration file stored in the repo contains data for dev environment. Production environment will use unique values



Sprint Reflection

During this sprint the team completed most work on the application to make it robust and functioning how it should be. This included making the site responsive, finishing the CRUD functionality for all of the admin facing pages, and displaying/styling the data from the CRUD pages and Quill pages. As a team we finished about 98-99% of the application, from here the only things that need to be done now are deployment, tweaking of some mobile aspects of the layout and importing our client's CSV file with the necessary database objects we need for the members page.

Time Report

Sammi Sortzi	
Task	Time (hh:mm)
Various Backend CRUD for Pages	16:45
Front End Work on Identity/Accounts	3:30
Client Meetings	1:15
Code Review/Debug	6:00
Project Notebook & Trello Board Updates	2:00
TOTAL:	29:30

Kyle Warner	
Task	Time (hh:mm)
Project Dev	21:45
Client Meeting	1:00
TOTAL:	22:45

Mike Tonder	
Task	Time (hh:mm)
Front-end	30:13:09
Meeting	1:00:00
TOTAL:	31:13:09

Sprint Summary	
Team Member	Time (hh:mm)
Sammi Sortzi	29:30
Mike Tonder	31:13:09
Kyle Warner	22:30
TOTAL:	83:13

Team Sign Off

Team Member: Mike Tonder

Date: 4/18/23

Team Member: Sammi Sortzi

Date: 4/18/23

Team Member: Kyle Warner

Date: 4/18/23

Sprint 5 - Deployment and Maintenance

Overview and Goals

Sprint 5 will be centered around getting the application up and running in a live environment, preparing a hand-off package to the client, and completing all necessary documentation for our work. The application by now is feature-complete, and future changes should only relate to mitigating errors and inconsistencies found during extended testing of the application. We will also be preparing a presentation to be shown to our peers as well as the college's advisory board.

Tasks Report

Task / Story	Team Member(s)	Outcome
Deployment of the Application	Kyle	Deployment of the application was successful.
Presentation	All	Presentations in front of the CIT Advisory Board went well.
Client Live Demo	All	Client is fully prepared to use the application after training and with added documentation.

Sprint Reflection

Overall this sprint and its goals were well accomplished by the group. The app successfully got deployed to our chosen deployment environment with minimal complications. We also worked on last minute bugs and quality of life tweaks during this sprint. Most of the new work centered around creating our Capstone Presentation that was to be presented to the

college's CIT Advisory Board, which coincidentally went very well for all of the groups that were presenting.

Time Report

Sammi Sortzi	
Task	Time (hh:mm)
General Development Tweaks	02:30
Presentation Prep and Presentation	04:30
Tech Doc. and other Project Notebook Updates	02:15
Trello Board Creation and Updates	01:30
TOTAL:	10:45

Kyle Warner	
Task	Time (hh:mm)
Deployment	06:30
Deployment/Presentation Configuration	03:00
Presentation & Prep	10:00
Client Meeting	01:00
Project Notebook	02:00
TOTAL:	22:30

Mike Tonder	
Task	Time (hh:mm)
Responsiveness + Mobile	18:00
User Documentation images	5:00
Presentation	2:00

TOTAL:	25:00

Sprint Summary	
Team Member	Time (hh:mm)
Sammi Sortzi	10:45
Kyle Warner	22:30
Mike Tonder	25:00
TOTAL:	58:15

Team Sign Off

Team Member: Sammi Sortzi

Date: 5/4/2023

Team Member: Kyle Warner

Date: 5/4/2023

Team Member: Mike Tonder

Date: 5/4/2023

Technical Documentation

Technologies

- 
- ASP.NET 6.0 MVC Application
 - Entity Framework Core - MSSQL
 - Quill.js
 - TailwindCSS

Architecture

The Antrim County Bridge Club website was developed as an ASP.NET 6 MVC application using C#, HTML, CSS, and JavaScript. The source code is hosted as a private repository on GitHub, with branch-protections in place for the 'main' branch that require you to propose changes as a Pull Request before merging.

The application is split into two major parts: the default area (or no area) and the Admin area. The Admin area contains domain-specific ViewModels and other utilities to manage the admin dashboard functionality. All other pieces of the application are found in their respective folders in the root of the app.

Business logic and model-related functionalities are abstracted from the controllers that interface with them by use of a Service class architecture. The Services interface with the Entity Framework database ORM to perform model queries.

The database in Development takes advantage of the 'MSSQL localdb' feature in Visual Studio. The database in Production is a hosted MSSQL database on myASP.net.

Core pages of the main website have their content provided by an open-source rich-text editor called Quill.js. User-inputted text and rich-text features are converted into JSON that describes the operations, sent in a POST request to the server, and stored in the database as `nvarchar`. When the content is retrieved for viewing, it is converted into valid HTML and then sanitized for safety before being sent to the View.

The stylesheet used in the Admin dashboard portion of the website is defined and generated by TailwindCSS at the build step.

Development

Requirements

- Visual Studio Community 2022 (or higher)
- .NET 6 and ASP.NET development SDKs
- Node.js v16.x (or higher)
- Git + GitHub account credentials w/ repo access



Setting up your environment

1. Clone the repo to your local machine
2. Open the project solution file (*.sln) in Visual Studio
3. Open a Terminal window in the project's root directory and run the command `npm install` to install Node dependencies.
4. Migrate the database by running `Update-Database` in the Package Manager Console
 - a. You may need to redo this step after pulling upstream changes that add migrations
5. Build the application to compile all necessary dependencies and assets
6. Run the application in a debug profile to ensure correctness

Production

All features and services necessary to host the website are provided through myASP.net including the webserver, MSSQL database, domain, and SSL certificates.

The website is deployed using a WebDeploy configuration through Visual Studio's Project Publish feature.



User Documentation

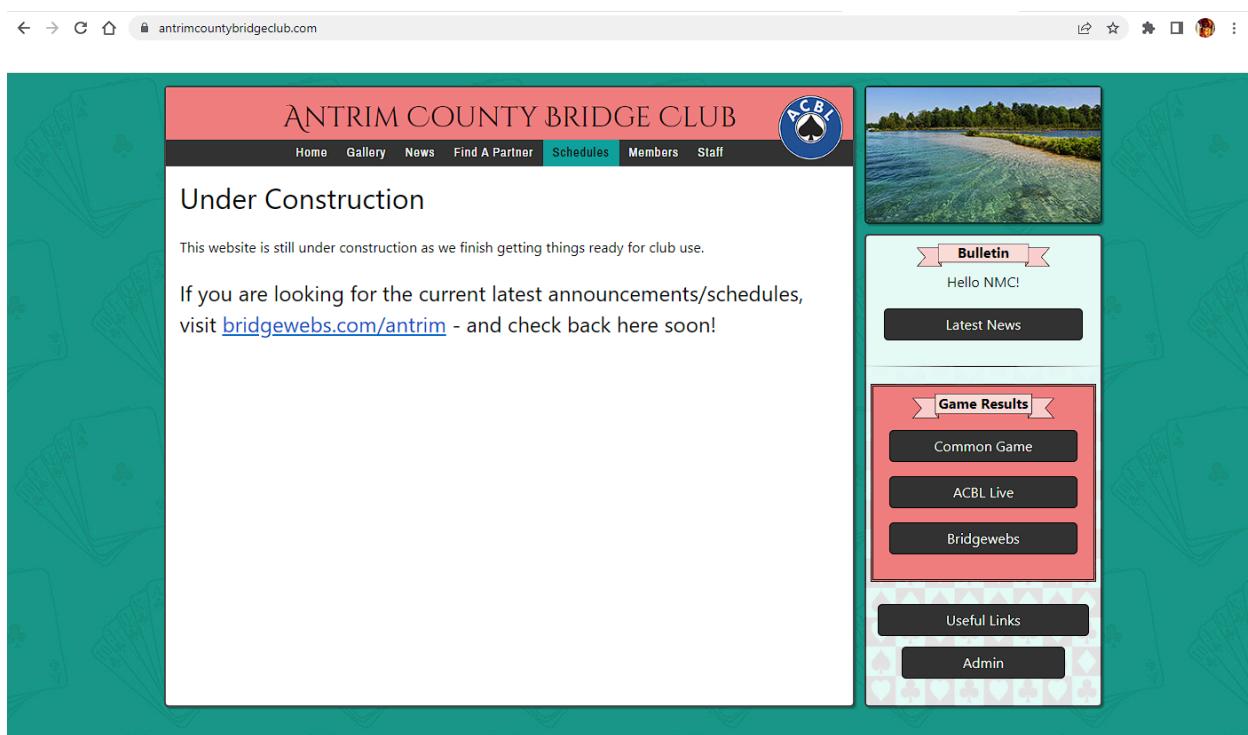
Minimum Requirements:

- An internet connection
- A web browser, this includes Google Chrome, Firefox, Microsoft Edge or Safari

<https://imgbb.com>

Getting Started:<https://antrimcountybridgeclub.com/>

1. In the browser address bar, type out the web address:
2. This action will bring you to the website homepage and it should look like this:



At the top you will find the navigation bar with buttons leading to each page:





Along the right panel you will find the area where bulletins will be posted in addition to a link that will take you to the latest news panel; this leads to the same place as the news panel across the top navigation bar.

There will also be a box along the right panel that includes links to Common Game, ACBL Live, and BridgeWebs score keeping

The useful links button underneath the scorekeeping will take you to the useful links page; this one is not included in the top navigation bar so this is the only way to get to the useful links page

The admin button will open the admin panel log in

Admin Panel:

The image shows a screenshot of an "ACBC Admin" login page. At the top left is the text "ACBC Admin" and at the top right is a "Back to Site" link. The main area is titled "Admin Login" with the sub-instruction "You must be a registered administrator in order to access this section." It features a "Return Home" button. Below are input fields for "Username" and "Password", each with a corresponding label and a placeholder box. There is also a "Remember me?" checkbox and a "Log In" button at the bottom.

In order to access the admin panel you will need the administrator username and password.

Updating Home Page

Upload Images (external)

Under Construction

This website is still under construction as we finish getting things ready for club use.

If you are looking for the current latest announcements/schedules, visit bridgewebs.com/antrim - and check back here soon!

Save Changes **Cancel**

In the Home section you will find the ability to edit the home page with club history and whatever you would like a user to see upon first accessing the website. You will find fully customizable options such as bold, underline, and strikethrough as well as the option to change font size, color and spacing or indentation. The same is true for the Schedules and News pages.

Images can also be added to each of these page content pages with a few extra steps:

Updating Home Page

Upload Images (external)

Under Construction

The first thing needed is an Image URL: this can be created by going to the blue upload images link underneath each page title, this takes you to this webpage <https://imgbb.com/>.

START

1. Click on "START"
2. Activate your account
3. Access your content

Upload and share your images.

Drag and drop anywhere you want and start uploading your images now. 32 MB limit. Direct image links, BBCode and HTML thumbnails.

START UPLOADING

START NOW

1. Click Start Now
2. Free Access - No Sign Up
3. Access New Browser

Wave Browser

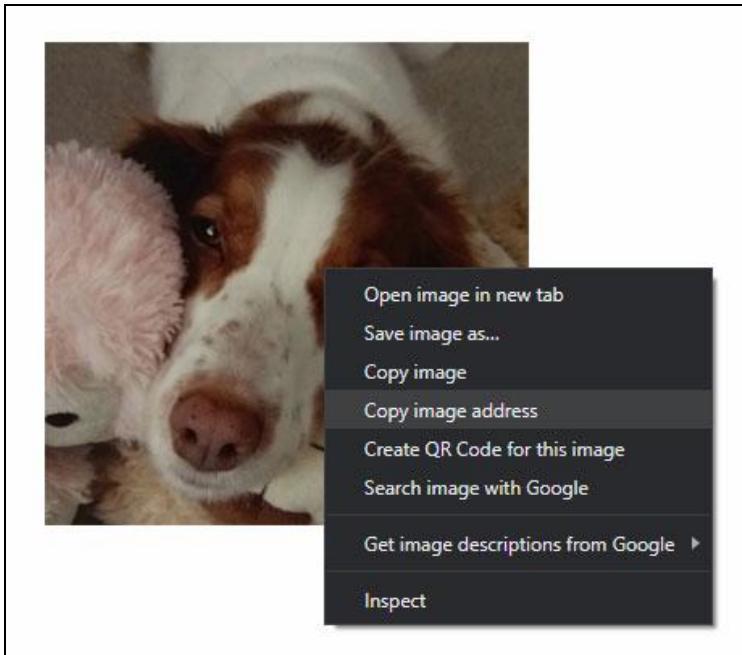
Start

Three simple steps

1. Click on "Start"
2. Activate your account
3. Access your content

Movies, Music, Games, Audiobooks

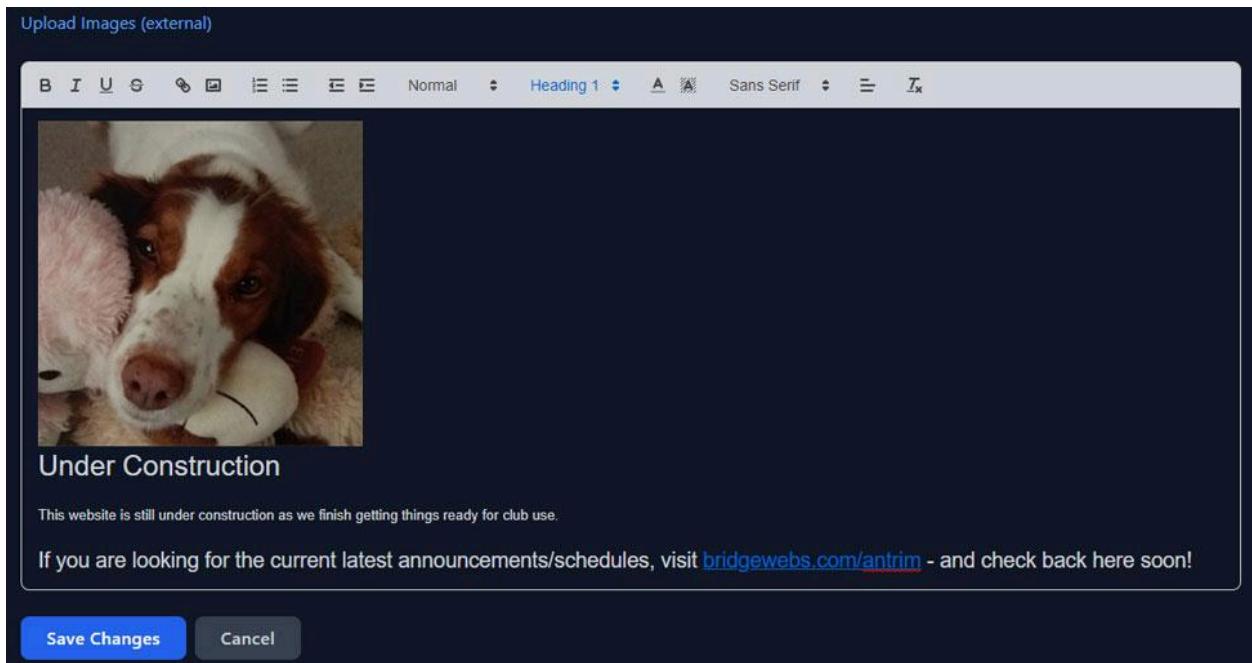
On this webpage you will need to click the **blue** "Start Uploading" button (the rest are ads, and you can ignore them!) on the homepage: this will then open your file explorer where you will choose the image you want to add to the webpage.



You will then choose the upload button. After it has been uploaded, click on the image to open it up in a new tab.

With the image viewer open in a new tab, **right click** the image and select “Copy Image Address” from the popup.

Back on the page content pages in the page editor box you will see an images button, by clicking on this button it will bring up a box for you to paste the image URL into: this will then bring that image into the image editor box for you



You are then free to add more images or add text in between said images on each page.

Announcements

[Create Announcement](#)

Note: Only the latest (topmost) announcement will be shown to visitors.

Id	Date	By	Content	Updated	Actions
3	04-28-2023 9:07AM	web_admin	Hello NMC!	-	View

The Announcements page will lead you to the static bulletin that appears near the top of each page.

In this section you will be able to create new announcements, delete old announcements, or even edit existing announcements. The newest announcement is what is displayed to viewers on the webpage.

[Home](#) > [Announcement](#) > [Create](#)

Create Announcement

Announcement

Type your announcement here..

[Save](#)

[Home](#) > [Announcement](#) > [View](#)

View Announcement

Id:	3
Created By:	web_admin
Created Date:	04-28-2023 9:07AM
Updated Date:	04-28-2023 9:07AM

Announcement Text

Hello NMC!

[Edit](#) [Delete](#)

The Useful links and Biography section will both lead you to similar pages.

on each page you will have the ability to create new entries, delete old entries and make edits to existing entries

As for the Biography pages specifically you will also have the option to add images to each of the staff biography entries: to do this you will click on the choose file button that is shown on the create entry page.

This in turn will open your file explorer where you then have the option to select the photo you want uploaded.

The Account tab at the top of the page will take you to your administrator account settings.

The screenshot shows a dark-themed web interface for managing an administrator account. At the top, there are four tabs: **Profile**, **Email**, **Password**, and **Log Out**. The **Profile** tab is currently active. Below the tabs, the word **Profile** is displayed in bold. There are two input fields: one for **Username** containing "web_admin" and another for **Phone number** which is partially visible. At the bottom is a blue **Save** button.

In this panel you will have the option to change your administrator username and the phone number associated with the account.

You will also be able to update or change the email address and password that is associated with the admin account.

And lastly you will have the option to log out of the administrator account.



