EAD CA3

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Application summary

For this ca I used https://www.metawether.com/ for my API because any other API I looked into either needed payment details even with the free tier which I didn’t trust.

But I did try a few other api’s before landing on the one I used there was an issue with them that they wouldn’t load in blazer I originally wanted the application to use an API to show the nfl table and the upcoming fixtures. But when I moved to blazer with my chosen api I couldn’t get my application so I had to change directions to a weather api it took me a few attempts for me to find an api that worked.

So when I decided that I was going to use a weather api I had a lot of thinking about what information I would show, what way would I show it. Would I show it in a card like way like on a phone or would I show it in a table How would I allow the user to choose what city they wanted to see the weather for. When I first started developing this application

I attempted to use a search function, but I ran into an issue that the search function isn’t done with the city but with an id. So, I decided to allow the user to choose the city by using a dropdown function of ten cities as the api has numerous cities to choose s from too many to put into a dropdown so I decided on 10 cities and I added a link to the api straight from my app in the about.

The 10 cities I chose for the dropdown were Dublin, Beijing, Leeds, Frankfurt, Sunderland, Rome, Rio, Charlotte, Madrid and Minneapolis. I chose these because they are personal to me in some way whether that be a sport team or a place me or a family member frequents.

I put the information into a table and decided that I would show the date along with the min and max temperature, the wind speed and conditions of the chosen city on that date. I needed to round the temperature and wind speed up. I also added in images to go with the conditions I tried them in multiple places but found that they were best suited beside the condition in the table.

A screenshot of a computer

Description automatically generated with medium confidence

Quality of code

I used sonar lint for code quality throughout the ca I got warnings after I added the image code into the <tr> part but I thought the images looked best in the table next to the corresponding condition I used good naming conventions in the c# code so it was clear what did what, which included changing the class name given by the conversion tool from Consolidated\_Weather to ConsolidatedWeather after a warning. I separated the razer files and the code so it would be clearer to read instead of scrolling down loads you can just go to the class the code is in which is why I made sure my naming conventions were good.

Unit test

I ran into an issue with unit testing I tried using xunit but what I did manage to effect the main application so I reversed course and got rid of the code thinking it was more important for my main to work then having unit tests.

Version Control

For this ca I used github desktop for version control as I have experience with and I find it easy to use and its easy to access the repo if you need to pull it down. My git hub repo is <https://github.com/aaronoc1996/EAD1CA3> azure link <https://ead1ca3202.azurewebsites.net>