

Jeremy Hinz
CIS 2987-56 (Capstone)
Final Project Report
Due: May 2, 2021

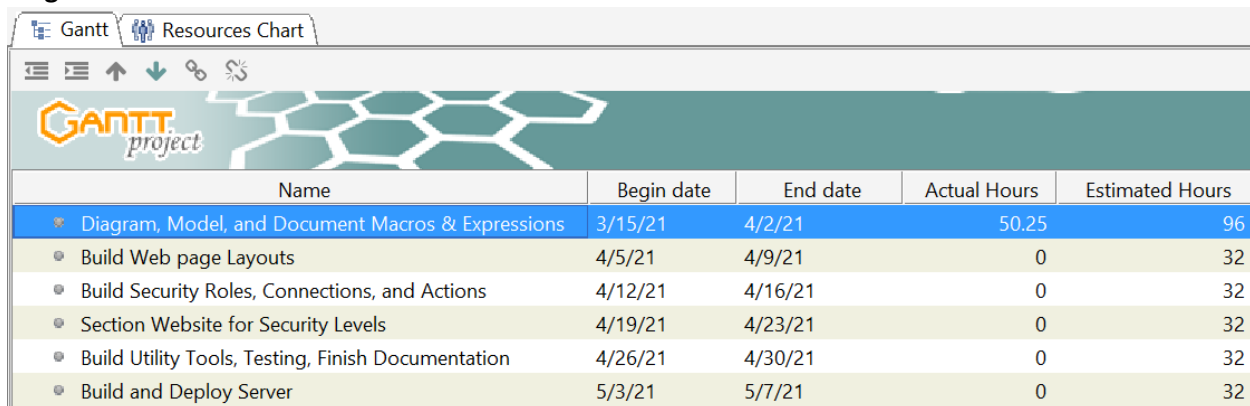
Link to Presentation (VidGrid Would Not Work after 1.5 hours of troubleshooting)

<https://youtu.be/tgj9BOupLAK>

Summary

My capstone project was to convert an MS Access database to C# ASP.NET that uses Azure SQL for data management. As discussed with Shawn, my teacher, this project wouldn't most likely finish within the semester; however, I put about 50 hours into the project and rapidly now reverse-engineering the project. The project starts to have more solid work from laying the groundwork for what needed to be done.

Original Timeline:



Name	Begin date	End date	Actual Hours	Estimated Hours
* Diagram, Model, and Document Macros & Expressions	3/15/21	4/2/21	50.25	96
• Build Web page Layouts	4/5/21	4/9/21	0	32
• Build Security Roles, Connections, and Actions	4/12/21	4/16/21	0	32
• Section Website for Security Levels	4/19/21	4/23/21	0	32
• Build Utility Tools, Testing, Finish Documentation	4/26/21	4/30/21	0	32
• Build and Deploy Server	5/3/21	5/7/21	0	32

List of tasks completed. How many hours it took to complete each task. Date completed.

- Initial Model of how information interacted with tables (Mar 17th)
7.5 Hours
- 3NF Model of how all the tables should be laid out (April 7th)
11.25 Hours
- Get Database connection setup correctly (April 10th)
1.25 Hours
- How to use and create a chart in ASP.NET (April 11th)
1.25 Hours
- How to have data impact the chart dynamically with SQL Query (April 11th)
3.25 Hours
- Have chart update after the information has been entered (April 11th)
0.5 Hours
- Getting Bootstrap 4.5 to work with the website (April 18th)
1.25 Hours
- Troubleshoot and find an alternative method to DateTime picker (April 18th)
7.75 Hours

- Get INSERT INTO command to work (April 20th)
1.75
- Building tables, forms, and equations to test (April 30th)
5 Hours
- Learn how to make a C# variable from an SQL statement (May 1st)
8.75 Hours
- Created first Expression to be converted (May 2nd)
0.75 Hours

List of Tasks that weren't completed.

1. Finishing the expression conversion
2. Build Website Layouts
3. Build Security Rules, Connections, and Access
4. Section Website for Security Levels
5. Build Utility Tools, Testing, and Finish Documentation
6. Build and Deploy Server

Final Documentation

The appointment date is currently expressed in numbers. Meaning if you enter a 5 for the month, it is May. Everything is still in testing mode; however, it is rapidly moving into production since critical items have been figured out. The graph is in evaluation mode, which shows progress no matter the taken action.

Supervisor Contact

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Reflection and Conclusion

I knew from the start that this wasn't going to be a quick slap-together project; however, I know it helps the company I work for, and I will be learning a lot as I go. I like projects like this where there isn't a set deadline; however, it is somewhat above my expertise, so I learn a lot as I do it is very desired. I do not have an issue being stuck for several hours at a time trying to figure out a solution or even longer when time is not of the essence. That is one part of my job that I like. I have about 25-32 hours of set tasks a week that need to be done while working on computer projects in my progress.