

NeuroResearch Centers Weekly Report #9

Prepared by Jeremy Hinz

Starting Week: April 12, 2021

Project Description: To convert the HDB (Human DataBase) program from using MS Access to being web-based using C# ASP.NET for the front end and Azure for the backend.

Task List

- **(Done)** Prep with diagrams and models
- **(In-progress)** Reverse-engineer current database project
- **(In-progress)** Build website with similar formulas
- Place security via roles and accounts
- Build utility programs to help patient care
- Test the security of the website
- Deploy website on PaaS server

Budget

- 267-man hours for the project at \$27 an hour, which totals \$7,209.
- The cost for a PaaS server when deployed is \$750 a month

- Cost for using Adobe Photoshop and Adobe Stock ~\$60 a month for 3 months for a total of ~\$180
- Starting expense of MS Azure Basic Plan is \$5 a month (Up to 2 GB of storage). This can expand as the data grows.
- Going over plans and setting up project goals (5-man hours \$135)

Expenses

- Going over plans and project goals. (5-Hours) \$135
 - Starting on Diagrams and Models (3 hours), \$81
 - Ordering Software: Adobe Photoshop and Adobe Stock for the first month which totals \$60
 - Camtasia: Free since we have a license leftover from previous project.
 - Visio: Free since we have a license left over from a previous project.
 - Expenses for the week of March 1, 2021 is 12.5 man hour. \$337.50
 - Week of March 15, 2021 is 8.25 man hours which totals \$222.75.
 - Week of March 22, 2021, no new progression.
 - Week of March 29, 2021 had 9.25 man hour done. \$249.75
 - Week of April 5, 2021 had 5.25 hour Working on reverse engineering, figuring out queries, and progress on how to create a dynamic chart.
- Cost totals \$141.75

Total expenses: \$1027.75

Sources of information

Microsoft Azure Pricing: <https://azure.microsoft.com/en-us/pricing/>

PaaS Service: <https://aptum.com/>

Adobe Create Cloud: <https://www.adobe.com/creativecloud/plans.html>

Next Step

Keep reverse engineering the formulas and structure in the database, plus continue to make practical methods, functions, and applications of the formulas.

Historical Progression

Completed on Time - RFPs, bidding, quotes, and research.

Completed (1-Week Behind) – Wireframe diagrams and 3NF Modeling. The delay is due to other work projects taking priority.

In-Progress (Behind 2 Week) – Reverse Engineering is one week behind now; however, progress is still being made.

In-Progress – Creating methods, functions, and applications from reverse engineering the site.

No new progress for the week of March 22, 2021.

Made 9.25 hours progression on Formulas and working to get them
working with C# ASP.NET.

Made 5.25 hours of progression dealing with figuring out formula,
database modeling, and working on how to build dynamic charts.