Team 7 Project Report
YWCC 307
Professor Vaish
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TEAM MEMBERS:

Marco Paparatto

Sean Slusarz

Shrey Patel

Justin Tecson

OBJECTIVE:

The North Carolina Department of Health and Services' goal for the transition to managed care is to improve the health of North Carolinians through an integrated and well-coordinated system of care that addresses both medical and nonmedical drivers of health.

Standard Plans and BH I/DD Tailored Plans will be fully integrated managed care plans with a benefits package that spans both physical and behavioral health services, as well as long-term services and supports (LTSS).

Our team is considering an alternative database product for a system to better serve these new data requirements.

IN SHORT:

Find a data caching solution for accommodating the new data types as required by the North Carolina Department of Health and Services

THE PRODUCTS:
- HarmonyHIT (Our Pick)
- InterSystems
- Fastly CDN

OUR CRITERIA:
- Must accommodate all data types
- Must be safe and secure for data at rest/transit
- Must be able to manipulate data freely

PROJECT SUMMARY:

Roles were assigned as follows: Justin Tecson was responsible for researching Fastly CDN's services. Shrey Patel was responsible for the research of InterSystems services. Sean Slusarz was responsible for looking into HarmonyHIT's services. Marco Paparatto was to research and create introductions/summaries for each of the three products and compare.

We coordinated our meetings over Discord out of convenience and easy collaboration. Files were sent through the messaging system and calls were made through the application's group call feature. Research sessions were conducted individually, but findings would be sent over to the Discord chat for others to either comment and approve on. **Here's what each team member had to say about their contributions towards getting to the objective:**

Justin Tecson

I like to say that I helped to be a meeting facilitator and supportive moderator within the group, as well as one who helped to coordinate different aspects of the project together. In terms of research, I did extensive googling on the product that I was assigned. Going beyond the initial product info page, I decided to instead look into the documentation of how the product worked rather than just the proposed features or advertising you would see on the face of a home page for a product. As a result, I learned more about how the Fastly CDN system operated and what functions it served. It also led to me eliminating this product early on in the project due to the fact that it was not really healthcare oriented. Despite being a very impressive product for the efficient delivery and storage of data and other files, it did not fit our objective criteria and could not further the goals of our team.

I also aided in researching and looking into the other members of the group's products, just to get an understanding of what I would have to compare Fastly CDN to. It would also help to give me background information so that if anyone else had questions about their product, I may have been able to help them find and gather that information. One such example was when members had difficulty looking for the security aspects of HarmonyHIT. I was able to quickly point them in the right direction. In short, I did extensive outside research asides from looking into the one product that I was assigned.

Shrey Patel

In this project our approach was to divide the work and do our research. First was to figure out related products to work with and after figuring those out, each team member was assigned a product to conduct their research and contribute their research to the group. After achieving some basic details about related products, the next approach was to put that all together in our presentation. And finally helping each member if they were having any issues. My Contribution was I contributed in generating questions to start out with, and did my research on product Intersystem, and finally keeping up with the group and completing our project in a timely manner.

Sean Slusarz

The majority of my efforts was to look into HarmonyHIT, and determine if that particular product was the best solution to our scenario. Most of that time was spent digging through HarmonyHIT's website and past history for any signs of data breaches, as well as information on what services they claimed to provide. Most reviews of Harmony HIT were generally positive, and the fact that they helped set up their services was rather key in our end decision. I also reviewed the slides in their entirety, organized notes, and assisted in the design and layout of the slides. Out of curiosity, I tried to find prices for these services, but it was terribly difficult to acquire that information.Given how HarmonryHIT was not only the most geared towards healthcare, as well as there services that helped reduce overall downtime of the system, we were able to decide as a group to go with HarmonyHIT.

Marco Paparatto

When conducting research for the assignment I had to look into each of the three options that we were going to debate recommending and looking into what they want to generally accomplish. The first place I started was going to the website for each product and seeing what they are advertising as well as any information I could find directly from them. Each of the three products required a bit of poking around on their website to find information that would be relevant to our final decision. Along with this, I also decided to do some quick searches around the internet to see what other people may have had to say about these services. Overall this was something that did not factor into our overall decision as these services are meant to be used by large medical organizations so user feedback was not overly abundant. We decided to stick with what each company stated directly, both in their advertising and in their technical information.

Project Timeline

Meeting 1 - Created a rough outline of the project presentation. Got together with the team via Discord to begin researching possible candidates for the database caching system needed for the project requirements. Once three suitable products were selected, we assigned roles to each member.

Meeting 2 - Caught up with everyone on their progress with carrying out their research based on their assigned roles. Assigned each member a set amount of slides to work on. The slides were getting populated with more information and everyone was already trying to figure out which of the three products were the best. Fastly CDN was eliminated early, and it became a contest between InterSystems and HarmonyHIT.

Meeting 3 - The slides were pretty much complete, aside from some proofreading and shortening the lengths of some bullet points. Each member was just told to finalize their portions, and the meeting ended just a little bit sooner than the others as this was a brief check-in meeting.

Meeting 4 - All slides were finished. We just needed to "finalize" it once more by adding two slides that solidified our product of choice and a conclusion further stating why that was the case. We discussed plans to have a rehearsal for the 5th and final meeting and how we would organize it.

Meeting 5 - Slides were finished, and our final product was HarmonyHIT. Our group ran through the presentation roughly without preparation to see how we would do. As a result of this, we found out weaknesses and adjustments that we needed to make. We also each drew up some physical notecards to remind ourselves of some talking points during our rehearsal run through. We then did a much more prepared and methodical presentation, yielding much better results.