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Professor J. DeBlois
CS 410
2/10/24

1. If you agree that the class sessions represent Complex work, explain why each of the other four domains do not apply to us. If you disagree, explain what domain type best describes the first five classes, and what you would do to change it to a Scrum-appropriate environment. Please limit your remarks to one-third of a page.
- I do agree that the first five class sessions represent Complex work. For example, figuring out a way to have teams. We knew the goal was to have these sorts of groups but how we exactly figured that out was in hindsight. We decided to count off teams and realized that certain teams were bigger than others, so we adapted as a class and merged the excess students into smaller teams. We made sure that this approach is a safe-fail environment. **Complicated Domain** would not be the right fit for these work sessions. Because we are all taking the class for the first time, no one in this class is really 'expert' in the tasks assigned. Using the example above, in that class session, there wasn't a straightforward answer and there weren't any experts to give us insight on what we should be doing. Instead we as a class and professor decided what was best given that situation. This also would not be a case of a **Simple Domain**. To keep things simple in the already given example of team creation in class, there many ways to approach this task. Group members by assigning numbers to students (1,2,3,4,1,2,3,4…1's here 2s here etc..), making first-row group 1, second-row group 2, etc. There was no straightforward answer and cause and effect was not readily apparent. **Chaotic Domain** can be seen slightly here in that example of group forming. Since we really needed a way to form teams and fast, this can be a chaotic domain. However, the other class sessions like accessing professors' public_html index.html file so we can modify it, did not fit the chaotic domain description. The class knew what had to be done but some problems arose however we were all learning to adapt and in the next class session we figured out a way to solve the solution. The problem was not so dire that it needed to be addressed right away and we had some idea of cause and effect. **The Disorder Domain** can also be ignored here because we understand that there is a problem and how urgent it is. The class understands what needs to be done and can predict causes and effects (like the group forming class session).

2.
A. There wasn't much progress in general on this website. However, my contribution to this website was that I have added a title for team members as well as contacts. I've also given each title its sizing font and removed some of the break tags for clarity. Just to have less clutter, I deleted some other break lines and extra words around paragraphs and put in some template filler words 'Loren Ipsum' for future additions.

B. End-user documentation
Accessibility: In order for a user to access this corp 7 webpage, they must open up any browser and go to our website domain at: https://www.cs.umb.edu/cs410/corp7/.

Usability: To see Corporation 7 team members' email see the left side of the screen where there are hyperlinks that allow you to email each member's school email.

Information: On the right of the screen is the list of members of this corporation. This team consists of 9 members as of 2/10/24 which are: steven, simon, dsiembab, csungla, xiaoyan, sbarro, rileyc, nttminh, and omar.

C. I have tested it on the server. I do not consider it done at all. There is some leftover information from the professor's HTML template that needs to be addressed. Also, some of the words can be hard to read when the background color changes. The estimated time to repair can vary depending on how many people are working on it and their expertise but I would guess anywhere from 20 minutes to a couple of hours depending on the goal of this website.

3.
A. According to Wikipedia abstraction is the "process of generalizing concrete details, such as attributes, away from the study of objects and systems to focus attention on details of greater importance." (paragraph 1). For example, our corporation 7 team website only has 2 layers of abstraction, the main front page of the webpage where all people who visit see, and then depending on what you click, either emailing one of our team members or seeing each team member's informations. As our website becomes more developed there maybe another link that shows peoples resumes, which is also just another level of abstraction.

B. The Stepdown rule basically summarizes how one should create functions in a way that starts at the highest level of abstraction and works its way downwards to more complicated/lower ones. For example:
To generate the report, we first gather data from the database, then we process the data, and finally, we format it for display.
To gather data from the database, we execute SQL queries to retrieve relevant information.
To execute SQL queries, we establish a database connection, construct the query, execute it, and retrieve the results.
To establish a database connection, we use the provided credentials to connect to the specified database server.
To construct the query, we combine user input with predefined SQL templates to ensure security and flexibility.
To execute the query. . .
List of 3 functions:
generateReportFromDatabaseData();

retrieveDataSQLQueries();
ExecuteSQLQueryWithUserInput();

C.
generateReport();
dataRetrieval();
executeSQLQueries();