Protocol (October 28, 2021)

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This is the 11th week of Data Modeling

Sources:

- [Github](#) (Agenda)
- Part 2 of a [video](#)
- Whiteboards
- In class notes

Housekeeping:

Topic of the day: BPMN

Short video:

- We started the class off with the 2nd half of a video about "business process model and notation(BPMN) 2.0 Tutorial. It talks about an ice cream shop and how a customer goes through the process of ordering ice cream. They start off by entering the shop and reviewing the menu. After this, they have two options to either order something or nothing at all. Dr. B talks about how he prefers us to start off with the "happy path" model instead of how they say it in the video. As the video goes on about the process the customer goes through. The end result of the whole process was to leave the store.

- We talk about how the process model from the video differs from the EPC models we have been doing for the past class sessions.

Lecture:

- We talked about OMG which stands for the object model group. We did a review over the tools and things we use in the process models and we talked briefly about the homework we will do before we start with the practice we will do today. He reminds us we will have a test next week. To help us with the topic, we did an example about pizza with the happy path model. He explained how the customer would come into the pizza parlor to begin the process, then continue with ordering and so on. Next we went over a new process model which was the BPMN model. We talked about what it was and showed an example of it with also the pizza example. We compared the two models. We also went over the

rules of the BPMN modeling. We got additional practice by pointing out the mistakes of a bpmn model. We went over all the mistakes there as a class when we finished. We have an assignment due for Nov 2nd.

BPMN:

- It stands for Business Process Model and Notation is a graphical representation for specifying business processes in a business process model.

- Rules:
  - Every participant gets a pool or a lane inside a pool
  - Every pool contains exactly one process
  - A process has at least one start and one end event
  - Sequence flow (Action) flows only within pools
  - Message flow (Communication) flows only between pools
  - All process elements must be named
  - Decision points (exclusive gateways) have questions
  - Actors with little to do can become additional participants
  - Split or joined sequence flows need gateways
  - Opened gateways must be closed

- BPMN diagrams should be readable
- BPMN diagrams can be infinite in size
- BPMN diagrams run from the left to the right
- BPMN diagrams avoid loops (instead: attributes)
- BPMN diagrams distinguish action and communication

Reflection:

- This class session today was cool. I learned a new way to do a process model with the BPMN. We went through the whole process of it and I personally like the model we used before this one better. I am more comfortable with the EPC model but it is probably because we worked on that one for a longer period. The more we practice on the BPMN, the more I will probably like it and eventually be able to create one with ease. Hopefully I can use it to help with my final essay in the class.