

Sprint 7 - Report

Sprint Report

Sprint	7	Sponsor	Merck
Date	03/22/2024	Project Title	Process Hierarchy

Total Hours Worked

Name	@Tarif Ahmed	@Lauren Etsitty	@Aiden Astle	@Joseph Sanchez
Hours Worked	9	9	10	10

Backlog Items Completed This Sprint

#	Backlog Item	How Was It Tested/ Documented	Owner(s)	Est Hrs	Actl Hrs
1	C2M-20: Relationship diagram (pos tive) DONE	relationship diagram made - C2M-20	n/a	Tarif	0.5
2	C2M-21: implement hi erarchy tabl e DONE	implement hierarchy table - C2M-21	n/a	Tarif	2
3	C2M-22: insert data DONE	Insert Data - C2M-22	n/a	Tarif	4
4	C2M-27: Tutorial on cr eating datam odel DONE	Watched a video on how to create a datamodel and create primary and sort keys	Took notes on the video through Goodnotes	Lauren	2
5	C2M-26: Basic go pro gram that co nnects to me asurements t able DONE	Created a dynamodb datamodel for the merck mockdata	Able to see progress through NoSQL workbench	Lauren	2

6 <input checked="" type="checkbox"/> C2M-23: Datamodel f or merck mo ckdata DONE	Created multiple tables in NoSQL Workbench, Error committing to Amazon DynamoDB	Progress displayed in NoSQL workbench	Lauren	3	4
7 <input checked="" type="checkbox"/> C2M-28: Learning Re port DONE	Worked on Learning report	documented through confluence	Lauren	1	1
8 <input checked="" type="checkbox"/> C2M-24: reupload aw s server & pr ogram DONE	Re-uploaded aws server & program	AWS	Joseph	4	5
9 <input checked="" type="checkbox"/> C2M-28: Learning Re port DONE	Worked on Learning Report	Documented through confluence	Joseph	2	2
10 <input checked="" type="checkbox"/> C2M-2 5: get progra m to connect to neptune IN PROGRESS	Get program to connect to go // NOT YET COMPLETED	AWS	Joseph	1	3
11 <input checked="" type="checkbox"/> C2M-3 3: Data mod el instantiate d on neo4j in stance DONE	C2M-33 : neo4j data model instantiation	neo4j	Aiden	2	3
12 <input checked="" type="checkbox"/> C2M-3 1: neo4j DB i nstance crea ted DONE	neo4j DB instance created	neo4j	Aiden	1	2
13 <input checked="" type="checkbox"/> C2M-3 2: Driver con nection to ne o4j DB DONE	Driver connection to neo4j DB	bitbucket	Aiden	2	3

Other Key Activities This Sprint

Name	Description of Activity (or enter 'Not Applicable')	Actl Hrs
Learning Report	Report based on what we learned from the following Capstone groups:	4

	<ul style="list-style-type: none"> • Merck Biocritical Reagents • Novak Nutradata • Lee-Urban Enrollment Forecaster 	
Presentation Slides	Refining the presentation slides for submission	1

Current Issues/Challenges (or enter 'None')

Challenge	Remediation Plan
Lauren <ul style="list-style-type: none"> • figuring out that there are no foreign keys for dynamodb and having to restructure the table 	Taking this week to make a new diagram for how the data is going to be organized.
Joseph <ul style="list-style-type: none"> • EC2 instance not connecting to AWS Neptune instance 	<ul style="list-style-type: none"> • Contacting other capstone groups who have solved or are in similar situation (advised by Professor Whitmer) • Meeting with Professor Deursch on upcoming Monday
Aiden <ul style="list-style-type: none"> • Getting mass of test data into database from API 	<ul style="list-style-type: none"> • Fixing csvFile download option of API, or parsing JSON code into queries

Retrospective Implementation from previous Sprint – how did it go?

Our group convened four times, twice in the classroom setting on Tuesday and Thursday, and an additional two sessions outside of the scheduled class hours on Wednesday and Friday. During the Tuesday and Thursday meetings, we each independently worked on our respective databases assigned to each member. Subsequently, during the Wednesday and Friday sessions, we engaged in collaborative discussions, addressing any questions or concerns that we encountered throughout the week. These discussions facilitated a deeper comprehension of the functionalities and structure of the databases at hand. Additionally, during our Friday meeting we finalized the content written in the sprint report, learning report, and presentation slides and prepared for our 3 o'clock sponsor meeting by creating discussion topics.

Retrospective (Teamwork Improvement)

Process Change	Implementation Plan	How is Success Measured
Assigning specific Jira and confluence tasks	<p>Roles assigned</p> <ul style="list-style-type: none"> • Lauren <ul style="list-style-type: none"> ◦ making sure the Jira tasks are linked to the backlog items completed • Joseph <ul style="list-style-type: none"> ◦ Adding relevant team/personal issues on Jira • Aiden 	Sprint report grade and everyone's basic understanding of the current project progress

- Fact checking the sprint report
- Tariff
 - Keeping track of any project management changes

Plan for Next Sprint

#	Backlog items To Be Completed	Priority	Owner(s)	Est Hrs
1	Make an application that with go that connects to database	4	Tarif	3
2	write query to insert data in the database	2	Tarif	7
3	implement trigger in the database	3	Tarif	2
4	Make changes to the relationship schema	1	Tarif	2
4	<div style="display: flex; align-items: center;"> [] C2M-29: M erk Database un der one table IN PROGRESS </div>	1	Lauren	2
5	<div style="display: flex; align-items: center;"> [] C2M-29: M erk Database un der one table IN PROGRESS </div>	2	Lauren	2
6	<div style="display: flex; align-items: center;"> [] C2M-29: M rk Database und er one table IN PROGRESS </div>	3	Lauren	5
7	<div style="display: flex; align-items: center;"> [] C2M-34: M ove API data to neo4j DB IN PROGRESS </div>	1	Aiden	4
8	<div style="display: flex; align-items: center;"> [] C2M-35: Str uctured queries from API to neo 4j DB IN PROGRESS </div>	2	Aiden	6
9	<div style="display: flex; align-items: center;"> [] C2M-36: Q uery tests and D IN PROGRESS </div>	3	Aiden	1

B revision

TO DO