



# 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 made - C2M-20	n/a	Tarif	0.5	0.5
2  C2M-21:	implement hierarchy table - C2M-21	n/a	Tarif	2	3
3  C2M-22:	Insert Data - C2M-22	n/a	Tarif	4	5
4  C2M-27:	Watched a video on how to create a datamodel and create primary and sort keys	Took notes on the video through Goodnotes	Lauren	2	2
5  C2M-26:	Created a dynamodb datamodel for the merck mockdata	Able to see progress through NoSQL workbench	Lauren	2	2

6 <input type="checkbox"/> C2M-23: <a href="#">Datamodel f</a> <a href="#">or merck mo</a> <a href="#">ckdata</a> <a href="#">DONE</a>	Created multiple tables in NoSQL Workbench, Error committing to Amazon DynamoDB	Progress displayed in NoSQL workbench	Lauren	3	4
7 <input type="checkbox"/> C2M-28: <a href="#">Learning Re</a> <a href="#">port</a> <a href="#">DONE</a>	Worked on Learning report	documented through confluence	Lauren	1	1
8 <input type="checkbox"/> C2M-24: <a href="#">reupload aw</a> <a href="#">s server &amp; pr</a> <a href="#">ogram</a> <a href="#">DONE</a>	Re-uploaded aws server & program	AWS	Joseph	4	5
9 <input type="checkbox"/> C2M-28: <a href="#">Learning Re</a> <a href="#">port</a> <a href="#">DONE</a>	Worked on Learning Report	Documented through confluence	Joseph	2	2
10 <input type="checkbox"/> C2M-25: <a href="#">get progra</a> <a href="#">m to connect</a> <a href="#">to neptune</a> <a href="#">IN PROGRESS</a>	Get program to connect to go // NOT YET COMPLETED	AWS	Joseph	1	3
11 <input checked="" type="checkbox"/> C2M-33: <a href="#">Data mod</a> <a href="#">el instantiate</a> <a href="#">d on neo4j in</a> <a href="#">stance</a> <a href="#">DONE</a>	C2M-33 : neo4j data model instantiation	neo4j	Aiden	2	3
12 <input checked="" type="checkbox"/> C2M-31: <a href="#">neo4j DB i</a> <a href="#">nstance crea</a> <a href="#">ted</a> <a href="#">DONE</a>	neo4j DB instance created	neo4j	Aiden	1	2
13 <input checked="" type="checkbox"/> C2M-32: <a href="#">Driver con</a> <a href="#">nection to ne</a> <a href="#">o4j DB</a> <a href="#">DONE</a>	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"> <li>• Merck Biocritical Reagents</li> <li>• Novak Nutradata</li> <li>• Lee-Urban Enrollment Forecaster</li> </ul>	
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"> <li>• figuring out that there are no foreign keys for dynamodb and having to restructure the table</li> </ul>	Taking this week to make a new diagram for how the data is going to be organized.
Joseph <ul style="list-style-type: none"> <li>• EC2 instance not connecting to AWS Neptune instance</li> </ul>	<ul style="list-style-type: none"> <li>• Contacting other capstone groups who have solved or are in similar situation (advised by Professor Whitmer)</li> <li>• Meeting with Professor Deursch on upcoming Monday</li> </ul>
Aiden <ul style="list-style-type: none"> <li>• Getting mass of test data into database from API</li> </ul>	<ul style="list-style-type: none"> <li>• Fixing csvFile download option of API, or parsing JSON code into queries</li> </ul>

#### 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	Roles assigned <ul style="list-style-type: none"> <li>• Lauren               <ul style="list-style-type: none"> <li>◦ making sure the Jira tasks are linked to the backlog items completed</li> </ul> </li> <li>• Joseph               <ul style="list-style-type: none"> <li>◦ Adding relevant team/personal issues on Jira</li> </ul> </li> <li>• Aiden</li> </ul>	Sprint report grade and everyone's basic understanding of the current project progress

	<ul style="list-style-type: none"> <li>◦ Fact checking the sprint report</li> <li>• Tariff <ul style="list-style-type: none"> <li>◦ Keeping track of any project management changes</li> </ul> </li> </ul>	
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## 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  <a href="#">erk Database un</a> <a href="#">der one table</a> <a href="#">IN PROGRESS</a>	Restructure the datamodel so that all data goes under one table. Create a diagram	1	Lauren	2
5  <a href="#">erk Database un</a> <a href="#">der one table</a> <a href="#">IN PROGRESS</a>	Create one table in NoSQL Workbench for mock data	2	Lauren	2
6  <a href="#">rk Database und</a> <a href="#">er one table</a> <a href="#">IN PROGRESS</a>	Write go program that connects to database for all mock data	3	Lauren	5
7  <a href="#">ove API data to</a> <a href="#">neo4j DB</a> <a href="#">IN PROGRESS</a>	Get API data to the database en-masse	1	Aiden	4
8  <a href="#">uctured queries</a> <a href="#">from API to neo</a> <a href="#">4j DB</a> <a href="#">IN PROGRESS</a>	Building structured queries so that data can be consistently inserted to database from the application	2	Aiden	6
9  <a href="#">uery tests and D</a>	Testing queries and database structure	3	Aiden	1

B revision				
TO DO				