Cohort 31 - Group 4									
Vanessa Gleason, Alis	stair Marsden, Olivier Rochaix, Eduard Stalmakov								
Capstone Project	, and an analy and a same a same as								
Project Management P	Dian								
Milestone	Task	Assigned to	Estimated time (hrs)	Estimated Start	Estimated Finish	Task Status	Name	Number of Tasks	Task Hours
Capstone Outline			, ,				Eduard		
	Create Github repository for collaboration	Eduard	0.5	9/16/22	9/16/22	Complete	Vanessa		
	Start and strucutre a README file for GitHub	Eduard	1.5	9/16/22	9/16/22	Complete	Alistair		
	Decide on exploratory questions	All	6	9/20/22	9/20/22	Complete	Olivier		
	Stored on GitHub as "ExploratoryQuestions.pdf"	Eduard	0.5	9/20/22	9/20/22	Complete			
	Find datasets [user playlists, song attributes, and user demographics]	All	12	9/20/22	9/20/22	Complete			
	Find a dataset to link census data to audio streaming market	All	6	9/22/22	9/23/22	IP			
	Find census datasets [Age, Income, Computer Access]	All	6	9/21/22	9/21/22	IP			
	Research machine learning algorithm	All	12	9/21/22	9/21/22	Complete			
	Create elevator pitch formal summary	All	2	9/20/22	9/20/22	Complete			
	Complete initial PMP	All	4	9/22/22	9/22/22	Complete			
	Stored on GitHub as "ProjectManagementPlan.pdf"	Vanessa	0.5	9/22/22	9/22/22	Complete			
	Create ER diagram	Eduard	2	9/21/22	9/21/22	Complete			
	Data platform napkin drawing	Olivier	4	9/20/22	9/20/22	Complete			
	Create ETL document structure	Vanessa	1	9/22/22	9/22/22	IP			
	Stored on GitHub as "RepeatableETLReport.pdf"	Vanessa	0.5	9/22/22	9/22/22	IP			
Access	7,								
	Create SQL database	Eduard	0.5	9/20/22	9/20/22	Complete			
	Create group container	Eduard	0.5	9/20/22	9/20/22	Complete			
	Create Kafka topic	Eduard	0.5	9/20/22	9/20/22	Complete			
	Create a Data Factory	Eduard	1	9/20/22	9/20/22	Complete			
Submit on Github	,								
	Kafka Data using Data Factory								
	Create producer in DataBricks	Eduard	1	9/22/22	9/22/22	IP			
	Read last.fm songs into topic with producer	Eduard	1	9/22/22	9/22/22	IP			
	Set up data factory pipeline from data set to the producer in Data Factory	Eduard	1	9/22/22	9/22/22	IP			
	Create consumer in DataBricks to collect messages from the Kafka server	Eduard	1	9/22/22	9/22/22	IP			
Reading Kafka Files fr	rom Data Lake Into the Database			0					
	Create one or more tables for the finished messages you are consuming	Alistair	1	9/22/22	9/22/22	IP			
	Set up data factory pipeline from from the producer to the consumer	Eduard	1	9/22/22	9/22/22	IP			
	Export the data to the group database	Eduard	1	9/22/22	9/22/22	IP			
Building and Exporting				0.222		-			
	EDA on data in database	Olivier	2	9/22/22	9/22/22	IP			
	Build PowerBI test ML model	Vanessa	3	9/22/22	9/23/22	IP			
	Use Joblib to export the model in Python	Alistair	3	9/22/22	9/23/22	IP			
	Save your exported model to an Azure Blob	Alistair	1	9/23/22	9/23/22	IP			
Build a Power BI Repo		,	·	0,20,22	0,20,22				
u	Load the model into Power Bl using Python	Olivier	1	9/23/22	9/23/22	IP			
	Test that ML model works in Power BI	Olivier	1	9/23/22	9/23/22	IP			
Diagram and Documer		Olivio		O/LO/LL	O/LO/LL	"			
ag. am and bootine	Detail and document the set of tools used / planned for use	Olivier	1	9/22/22	9/22/22	IP			
	Stored on GitHub as "DataPlatform.pdf"	Olivier	0.5	9/22/22	9/22/22	IP			
Submit on Github	Stores on Old lab ac Battal latterm.pul	OllAlei	0.5	5122122	SIZZIZZ	II.			
	Feedback for Visualizations								
rapkiii bi awiiiya dila	Create Napkin Drawing								

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Capstone Project									
Project Management Pla	an								
Milestone	Task	Assigned to	Estimated time (hrs)	Estimated Start	Estimated Finish	Task Status	Name	Number of Tasks	Task Hours
	Stored on GitHub as "VisualizationsNapkinsAndFeedback.pdf"								
	Get two napkin Drawing feedback								
	Document Feedback								
	Stored on GitHub as "DashboardNapkinsAndFeedback.pdf"								
	Add feedback to Dashboard								
Submit on Github									
	Create data factory all necessary pipelines	Eduard		9/20/22					
	use the databrick to put kafka data into an azure data lake	Eduard		9/20/22					
	use azure data factory to move data from the azure data lake to azure SQL								
Cloud ETL must include:	A network diagram or service diagram of data pipelines								
	Identify which services are going where								
	Identify how things are getting moved								
Machine Learning Model	Machine learning research	all	5						
	Building the machine learning model								
	Refining the machine learning model for higher accuracy								
Dashboard	Choose Dash or Power BI for visuals	Alistair	3	9/21/22	9/21/22				
	investigate PowerBI	Alistair	3	9/21/22	9/21/22				
	Create Dashboard								
	include the Dash dashboard or Power BI Report files in a folder in your repo called "dashboard"								
	Add Data Source to Dashboard								
	Choose color theme	all	0.25						
	assign/make visuals (barchart, graph, heat map, pie, etc)	Vanessa	3						
	assign/make visuals (barchart, graph, heat map, pie, etc)	Alistair	3						
	assign/make visuals (barchart, graph, heat map, pie, etc)	Eduard	3						
	assign/make visuals (barchart, graph, heat map, pie, etc)	Olivier	3						
	If there is any code involved for the deliverables: make a github folder called "code" and store all code there								
	Complete Dashboard								
Submit on Github									
Project Technical Report	Start Report								
	Exploratory Questions								
	Introduction								
	Research Presentation								
	Machine Learning								
	Conclusion								
	Review Report and Complete								
	Stored on Github as ProjectTechnicalReport.pdf								
Submit on Github									
Presentation Slides	Create Google Slides								
	Create Presentation								
	Presenting Plan								
	Stored on GitHub as "CapstonePresentationSlides.pdf"								
Submit on Github									
Presentation Dry Run	Final Review of All Work								

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Capstone Project									
Project Management Pla	ın								
Milostono	Took	Assigned to	Estimated time	Estimated	Estimated	Tack Status	Namo	Number of	Tack Houre
Milestone	Task	Assigned to	Estimated time (hrs)	Estimated Start	Estimated Finish	Task Status	Name	Number of Tasks	Task Hours
Milestone	Task Practice Presenting	Assigned to				Task Status	Name		Task Hours
Milestone		Assigned to				Task Status	Name		Task Hours