Product Backlog

As a...	<Specific User>	Github_Branch	I want to be able to ...	So that....	Story Points	Acceptance Criteria	Chamber	Sprint	Assigned To	Status	Time Spent (for burndown)
User	Developer	taxo_analysis	To collect and access data from the bat guano samples	I could utilize these data for visualization, analysis, and other use of data	3	A functional NoSQL database that stores data from the NCBI reads and metadata	1	1	Justin, Karl	Done	5
							2	2	Justin, Karl	Done	
User	Developer	taxo_analysis	To implement a RESTful API functionality in managing and incorporating data	To implement a RESTful API functionality in managing and incorporating data	1	A working API command/s that manages the data from the database and in the application	1	1	Justin, Karl	Done	1
							2	2	Justin, Karl	Done	
User	Researcher	taxo_analysis	To present the results of taxonomic analysis of bat guano samples from NCBI	I could see the composition of the samples	3	A tabular representation of the composition of the samples from both C1 and C2	1	1	Justin, Karl	Done	1
							2	2	Justin, Karl	Done	
User	Researcher	phy_rank	To output phylum from organisms and normalize their ranks	I could see the order of organisms that populate the samples	5	A diagram of the taxonomic classification of the organism of interest.	1	1	Ron, Allyza	Done	5
							2	2	Ron, Allyza	Done	
User	Developer	phy_rank	To get the ranking data from NCBI API: Taxallnomy	I could get the ranking data from the API	1	Outputs JSON file from taxallnomy API	1	1	Ron, Allyza	Done	3
							2	2	Ron, Allyza	Done	
User	Developer	phy_rank	To use an accordion and see the dropdown for each rank	I could see the ranking of the organisms in a neat accordion	3	Accordion with populated data of the rank	1	1	Ron, Allyza	Done	1
							2	2	Ron, Allyza	Done	
User	Developer	level_dist	To know which libraries or modules are appropriate for creating stacked bar charts	I could accurately visualize the data of the phylum level distribution of bacteria in C1 and C2	1	A prototype of the level distribution feature showing a stacked bar chart with dummy data using the library selected	-	1	Mira, Mark	Done	1
User	Developer	level_dist	Incorporate phyla distributions into the stacked bar charts based from the data provided by the taxonomic analysis	I could integrate data from the taxonomic analysis more accurately	5	A prototype of the level distribution feature showing a stacked bar chart with actual data from the taxonomic analysis using the library selected	-	1	Mira, Mark	Done	3
User	Researcher	level_dist	Download the presented stacked bar charts as images	Use the charts as figures for research papers	1	An image of the stacked bar chart saved locally	-	2	Mira, Mark	Done	1
User	Developer	level_dist	Change the colors of the stacked bar charts from their default settings	Design the charts and provide a more elegant visualization of the data	3	A stacked bar graph with a chosen color scheme	-	2	Mira, Mark	Done	3
User	Researcher	level_dist	To output phylum level distribution of bacteria from C1 and C2	I could see which phyla are most frequently found in the bat guano samples.	3	A stacked bar graph of a comparison between the phylum level distribution of C1 and C2 bat guano samples.	1	1	Mira,Mark	Done	3
	Researcher						2	2	Mira, Mark	Done	
User	Developer	krona	To learn how to use KronaTools by Maryland Bioinformatics Labs	I could learn how to create Krona charts for the C1 and C2 data	2	A properly installed KronaTools in our machines	-	1	France, Lanze	Done	1
User	Developer	krona	To import the taxonomic analysis data components from NCBI	I could generate an accurate representation of the Krona charts	1	A text file containing the taxonomic analysis data	1	1	France, Lanze	Done	2
							2	1	France, Lanze	Done	
User	Developer	krona	To create krona charts using the text files (C1 and C2 data) and KronaTools	I could produce Krona charts for the C1 and C2 data and import it into the project	1	Two html files containing the Krona charts for C1 and C2	1	1	France, Lanze	Done	2
							2	1	France, Lanze	Done	
User	Developer	krona	To create a react component for the integration of krona in the project	I could provide a user-friendly interface for the creation of Krona charts for the C1 and C2 data	3	A react component that will be imported to the project	-	2	France, Lanze	Done	2
User	Developer	krona	To create a more user friendly UI for adjusting the parameters of the krona chart	I could provide an adjustment feature for the parameters of the Krona chart	1	Two input fields for fontSize and collapse integrated to the react component	-	2	France, Lanze	Done	3
User	Researcher	krona	To output krona visualization accurately within the bat genome application	I could visualize the components hierarchically without visiting the NCBI redirection link	2	A Krona visualization of the C1 and C2 data integrated into the project	-	2	France, Lanze	Done	3
User	Developer	main	To compile all of the four features in one web application	I could see the cohesion of the data presented	3	A web page seeing all 4 features as it scrolled down	-	2	Mira, Justin	Done	3