Product Backlog

Requirement	Story	Task	Priority	Estimate (days)	Completed and days it took
Data Collection	As the system, I must collect data from NSERC about the names of the Canadian researchers who have been awarded a DG in computer science in the last 15 years	Gather the Excel table of all previous winners from the last 15 years on the NSERC website	High	0.5	Completed 0.5 days
		Implement a way to read the Excel table and collect the names of the winners of the DG award	High	2	Completed 1 Day
	As the system, I must display the names of the previous winners on the website	Add a "Winners" section on the website that displays the names of the DG award winners	High	1	Completed 0.5 Days
Citation & Publication Count	As the system, I need to collect the citations and publication counts from the DG award winners in the year they have won the award	Implement a way to search for a researcher's profile on Google Scholar	High	2	Completed 2 days
		Implement a way to extract the publication and citation counts from the researcher's profile	High	3	Completed 5 days
	As the system I want to display the publication and citation count for each winner	Add to the "Winners" section the winners publication and citation counts next to their name	High	1	Completed 1 day

Citation Bar Graph	As the system, I want to generate a bar graph of the number of citations for each name obtained	Implement a section on the site that uses data visualization libraries to generate a bar graph of the number of citations of each researcher in the year that they won	High	2	Completed 2 days
	As the system, I want to display the citation bar graph	Implement a way to showcase the bar graph in that section	High	1	Completed 0.5 days
Publication Bar Graph	As the system, I want to generate a bar graph for the number of publications for each name obtained	Implement a section on the site that uses data visualization libraries to generate a bar graph of the number of publications of each researcher in the year that they won	High	2	Completed 2 days
	As the system, I want to display the publication bar graph	Implement a way to showcase the bar graph in that section	High	1	Completed 0.5 days
Correlation Analysis	As the system, I want to check for the correlation between the publication count vs citation count	Implement, in a new section, a way to analyse the correlation between publications and citations using statistical methods	High	2	Completed 2 days
		Generate a scatterplot of publications vs citations using each researcher's counts	High	2	Completed 1 day
	As the system, I want to to see if more publications are favoured than citations	Analyse the results and the corresponding r value and output the correct conclusion based on the value	High	1	Completed 1 day

	As the user, I want to see the results of the correlation analysis	Display the results using data visualization libraries in this section	High	2	Completed 1 day
Grant Correlation	As the system, I want to display the statistical methods used to calculate the correlation between grants, citations, and publications.	Implement a section on the site that shows the formulas and statistical models used to calculate the correlations.	High	4	Incomplete
Web Display	As a user, I want to click on a name to view more detailed information about that researcher.	Implement a researcher detail page that shows a profile with name, citation/publication history, DG funding info, and a graph.	High	3	Incomplete
	As a user, I want to view a list of researchers with their citation, publication, and grant stats.	Implement a sortable table displaying researcher name, citations, publications, and DG amount.	High	3	Completed 2 days
	As a user, I want to filter or search researchers by name, year, or stat thresholds.	Implement a search bar and filter panel using dropdowns and sliders to filter the researcher list by name, DG year, citation count, and publication count.	High	3	Completed 1 day
	As a user, I should be able to see a ratio or correlation summary for each researcher's data.	Add a "summary" column to the table or detail view that includes citation/publication ratio and correlation tag (e.g., High/Low/None).	High	2	Incomplete
	As a user, I want to sort researchers by publication count,	Add sorting functionality to the researcher table so	Medium	3	Completed 1 day

		citation count, or grant amount.	users can order by any stat.			
Year Filter		As a user, I want to select a specific year or range of years to view Discovery Grant recipients.	Add a year picker component that only shows researchers who received grants in selected years.	Low	2	Completed 1 day
PDF Export		As a user, I want to export the current page as a PDF so I can save or share it.	Implement a "Download as PDF" button using a library like jsPDF or browser print-to-PDF.	Low	2	Completed 0.5 days
		As a user, I want to export the data in CSV or JSON so I can do my own analysis.	Add export options for CSV and JSON formats with a backend endpoint to serve the data.	Low	1	Completed 0.5 days