| **Type:** Enterprise | **Title:** Poetry Discord Bot | **Status:** X | **RI:** E1 |

Context: This is my first freelance commission; I am tasked to create a discord bot with a simple one-off function that optimally queries fixed data of poetry prompts and posts it in a channel as regular text modified with markdown syntax. There is a potential oversight of faulty manual inputs (e.g., wrong formatting of poetry prompts) to which an extra step is made of making a dashboard webapp to alter back-end data.

Core Decision: Create a discord bot that automates sending a quotidian poetry prompt through a one-off command

Prospects	Decision Parameters	0TD Concerns

← A **specific** user can invite the discord bot to their private guild
← A user can use the bot to designate a channel to begin a day-interval prompter
← A database to store preset prompts
  – No more than 1MB is used unless manually modified
  – Utilizes an efficient schema
← Rate limiting considered
  – Minimize querying requests from database
  – Prevent exceeding discord's rate limits
	← Postgres 16 and Prisma ORM for server-side access and data manipulation
	 Refer to E1-T1
	← Utilize local caching that persists via stepped intervals
	  – Handles rate limits
	  – Minimizes server requests
	 Refer to E1-T2
	← Discord.js framework to communicate with Discord's API
		↯ Bot relies on an existing hosting solution
		  – On \$0.00595/hr from DO:
		    * 512MiB RAM
		    * 1 vCPU
		    * 500 GiB transfer
		    * 10 GiB
		↯ Optimization meets end at 0.5GiB consmuption of database

Decision Process	Results and Conflicts
All decision parameters for each record were achieved	Expected results accomplished and zero conflicts encountered, however consider the *Zero Technical Debt (0TD) Concerns*