

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	OTD Concerns
<ul style="list-style-type: none"> — 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 <ul style="list-style-type: none"> - No more than 1MB is used unless manually modified - Utilizes an efficient schema — Rate limiting considered <ul style="list-style-type: none"> - Minimize querying requests from database - Prevent exceeding discord's rate limits 	<ul style="list-style-type: none"> — Postgres 16 and Prisma ORM for server-side access and data manipulation <div>Refer to E1-T1</div> — Utilize local caching that persists via stepped intervals <ul style="list-style-type: none"> - Handles rate limits - Minimizes server requests <div>Refer to E1-T2</div> — Discord.js framework to communicate with Discord's API 	<ul style="list-style-type: none"> ⚡ Bot relies on an existing hosting solution <ul style="list-style-type: none"> - On \$0.00595/hr from DO: <ul style="list-style-type: none"> * 512MiB RAM * 1 vCPU * 500 GiB transfer * 10 GiB ⚡ Optimization meets end at 0.5GiB consumption of database