### ****Updated Specifications for Easy Bot Invites****

### ****New Functionality: Character Registration and Listing****

A new feature is added to allow users to register their in-game characters via Discord **slash commands** and retrieve lists based on different filters.

### ****1. Character Registration Commands****

Users can register and manage multiple characters using /set\_character.

#### ****New Commands:****

* /set\_character → Registers or updates a character.
  + **Inputs:**
    - name → Character name (string)
    - class → Dropdown selection (Druid, Hunter, Mage, Warrior, Warlock, Paladin, Rogue, Priest)
    - main\_spec → Dropdown (Tank, Healer, DPS)
    - off\_spec → Dropdown (Tank, Healer, DPS, None)
    - main\_or\_alt → Dropdown (Main, Alt)
* **Example Command Usage:**

pgsql

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/set\_character name: Thrall class: Shaman main\_spec: Healer off\_spec: DPS main\_or\_alt: Main

* **Database Changes Required:**
  + **New Table:** characters

sql

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CREATE TABLE characters (

id SERIAL PRIMARY KEY,

user\_id BIGINT NOT NULL,

discord\_username TEXT NOT NULL,

character\_name TEXT NOT NULL,

class TEXT NOT NULL,

main\_spec TEXT NOT NULL,

off\_spec TEXT NOT NULL,

main\_or\_alt TEXT NOT NULL,

UNIQUE (user\_id, character\_name)

);

* + Each user can register **multiple** characters, but each character name must be unique per user.

### ****2. Character Listing Commands****

#### ****Listing All Characters****

* **Command:** /list\_all
* **Function:** Displays a table with all registered characters.
* **Output Format:**

pgsql

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Name | Main or Alt | Class | Main Spec | Off-Spec

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Thrall | Main | Shaman | Healer | DPS

Jaina | Alt | Mage | DPS | None

#### ****Filtering by Class****

* **Command:** /list\_class
  + **Input:** class (Dropdown: Druid, Hunter, Mage, Warrior, Warlock, Paladin, Rogue, Priest)
  + **Function:** Returns the number of characters in that class.
  + **Example Output:**

diff

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Class: Mage

Total Characters: 5

- Jaina (Main)

- Antonidas (Alt)

- Kael'thas (Main)

#### ****Filtering by Spec****

* **Command:** /list\_spec
  + **Input:** spec (Dropdown: Tank, Healer, DPS)
  + **Function:** Lists all characters with the selected main or off-spec.
  + **Example Output:**

vbnet

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Spec: Tank

Characters with Main Spec:

- Garrosh (Warrior)

- Arthas (Paladin)

Characters with Off-Spec:

- Thrall (Shaman)

### ****3. Export Functionality****

* **Command:** /export\_list
* **Permissions:**
  + Only available to users who have **invite link creation permissions**.
* **Function:**
  + Generates a .CSV file containing the full character list.
  + Bot sends the spreadsheet via **DM** to the user who executed the command.
* **Database Query for Export:**

sql

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SELECT character\_name, main\_or\_alt, class, main\_spec, off\_spec

FROM characters

ORDER BY class, main\_spec;

### ****4. Interactive Selection (Optional Enhancement)****

* Users can **select their class, main spec, and off-spec via buttons/icons** instead of typing them manually.
* Clicking an icon in a designated **channel** instantly shows a list of all users in that category.
  + Example: Clicking the "Tank" icon displays a list of all tanks.
* If the client provides **custom icons**, they can be integrated.

### ****Summary of Changes Needed****

1. **Add New Slash Commands**
   * /set\_character → Registers or updates a character.
   * /list\_all → Lists all registered characters.
   * /list\_class → Lists characters filtered by class.
   * /list\_spec → Lists characters filtered by main/off-spec.
   * /export\_list → Exports data to a .CSV file.
2. **Modify Database:**
   * **Create new** characters **table** to store character details.
3. **Add CSV Export Functionality:**
   * Allow users with invite permissions to export character data.
4. **(Optional) Implement Interactive UI:**
   * Button-based selection for class/spec filtering.

This update enhances the bot with **guild character tracking**, making it easier to manage raid compositions! 🚀