

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:**

```
/set_character name: Thrall class: Shaman main_spec: Healer off_spec: DPS  
main_or_alt: Main
```

- **Database Changes Required:**

- **New Table:** characters

```
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.
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2. Character Listing Commands

Listing All Characters

- **Command:** /list_all
- **Function:** Displays a table with all registered characters.
- **Output Format:**

Name	Main or Alt	Class	Main Spec	Off-Spec
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:**

```
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:**

```
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:**

```
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.
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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! 🚀