

Communication Contract for Microservice

1. File Dependencies

- **favorites.txt:** This file contains the user's favorite teams. Each line represents one team.
- **events.txt:** This file lists various events. Each line contains an event in the format: team_name,date,time,streaming_link.
- **Logo Folder:** A directory named logos, containing logos of teams. The naming convention for these files should be {team-name}.png, with spaces replaced by hyphens.

2. Data Formats

- **Favorite Teams:** Plain text file, with each line representing one favorite team.
- **Events:** CSV format with four columns: team_name, date (YYYY-MM-DD), time, and streaming_link.

3. Operations

- **Reading Favorites:** The microservice reads favorites.txt to get the current list of favorite teams.
- **Filtering Events:** The microservice reads and filters events.txt for the teams in favorites and today's date. This is just safety measure to ensure only relevant data reaches the user. The events are then shown to the user with tkinter popup.
- **Updating Events:** Your app should update events.txt according to changes in favorites.txt.
- **Logo Management:** Your app should manage the logos folder, ensuring that logos for the favorite teams are available.

4. Expected Behavior

- The microservice filters events for today's date and the user's favorite teams.
- It displays these events in a GUI window with team logos and event details.

5. Performance Considerations

- Your app should ensure that favorites.txt and events.txt are not excessively large to avoid performance degradation.

6. Support and Contact

- We should continue communicating over discord to resolve any issues we encounter

Additional Notes:

- **Image Processing:** The microservice resizes team logos to a standard size while maintaining the aspect ratio for uniformity in the GUI.