**Match Spotlight Card Algorithm Development**

Design and implement a program that simulates the Spotlight Card algorithm to maximize user engagement by showcasing the most relevant cricket matches on our application, CricRadio.

CricRadio displays various upcoming, live, and completed matches to users and increase overall engagement time. You need to simulate the Spotlight card algorithm to determine the TRP (Television Rating Points) priority of each match, considering multiple factors, to showcase the most engaging matches first in the Spotlight.

**Requirements:**

* Develop an algorithm to calculate the TRP priority of each match based on the given priority parameters.
* Ensure completed matches are only shown for at least 4 hours during daytime (8 AM - 8 PM).
* Implement the algorithm in Python programming language.
* Use the provided Excel sheet data as input.
* Output the prioritized list of matches for the given timestamp.

**Priority Parameters:**

Refer to the provided priority order table, which outlines the factors to consider when determining the TRP priority of each match.

* Series Type: World Cup (1), other series types (2)
* Rivalry: Ind vs Pak (1), Ashes - Eng vs Aus (2), other rivalries (3)
* Status: Live (1), Upcoming (2), Completed (3), Special Match (4), Final (5), Semi-final (6), Quarter-final (7)
* Teams: India (1), England (2), Australia (3), South Africa (4), Pakistan (5), New Zealand (6), Sri Lanka (7), West Indies (8), Afghanistan (9), Others (10)
* Time(IST) - Start Time: 1700-2030 hrs (1), 1200-1700 hrs (2), 2030-2300 hrs (3), 0900-1200 hrs (4), 2300-0100 hrs (5), 0100-0600 hrs (6), 0600-0900 hrs (7)
* Match Category: International (1), Domestic (2)
* Format: T20 (1), One Day (2), Test (3)
* Is League: Yes (1), No (2)
* No of Teams in Series: Higher numbers have more weightage
* Gender: Male (1), Female (2)

**Inputs:**

1. Excel sheet with match data (columns listed below)

* Match ID
* Date
* Time (IST)
* Team A
* Team B
* Location
* Time Zone Diff for Opposition
* Gender
* League/Event
* Rivalry
* Series Type
* No. of Teams
* Match Type
* Match Category
* Finish Time (IST)

1. Timestamp, based on which we need to get a list of matches to show in the spotlight.

**Evaluation Criteria:**

* Correctness of the algorithm's output
* Effectiveness in prioritizing matches based on the given parameters
* Code quality, readability, and maintainability

**Submission:**

Please submit your implementation (code) and a brief explanation (max. 2 pages) of your approach, including:

1. How you combined the priority parameters to determine the TRP priority
2. Any assumptions or simplifications made
3. How you handled edge cases or conflicting priorities

Upload your code to a private GitHub repository and add users **vivek-work-ls** & **vocuzi** as collaborators. Acknowledge your submission via email to **muskan.khurana@lifeasesolutions.com**.

**Note:**

Feel free to reach out to **muskan.khurana@lifeasesolutions.com** for clarifications. If needed, make assumptions and justify them in your submission.