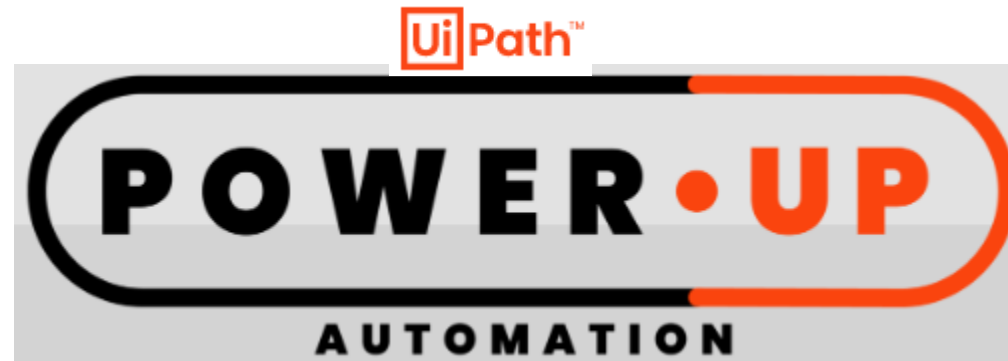


Sports Inviter Bot

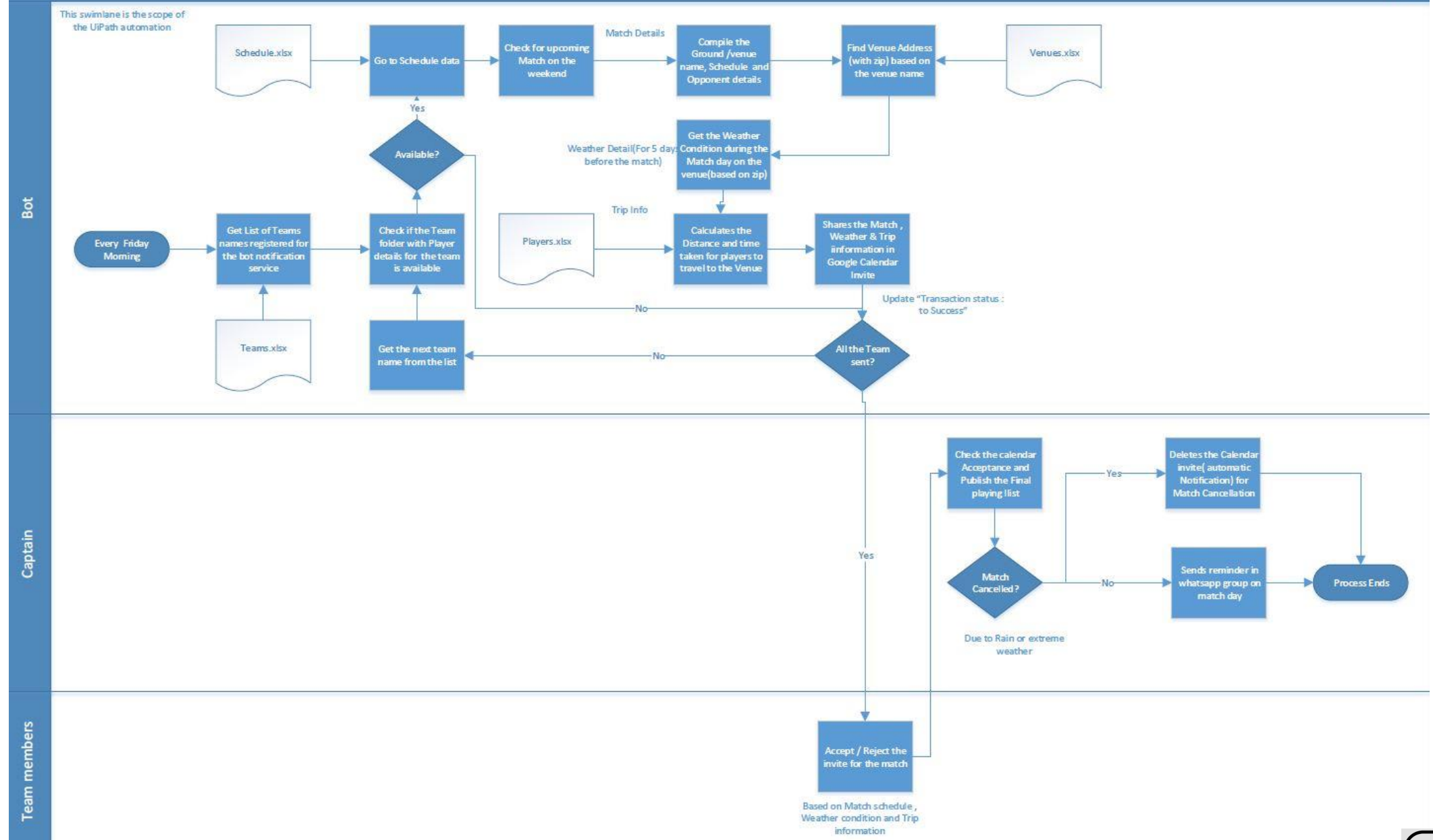
from Arun Kumar Asokan
for PUA VIRTUAL 2019

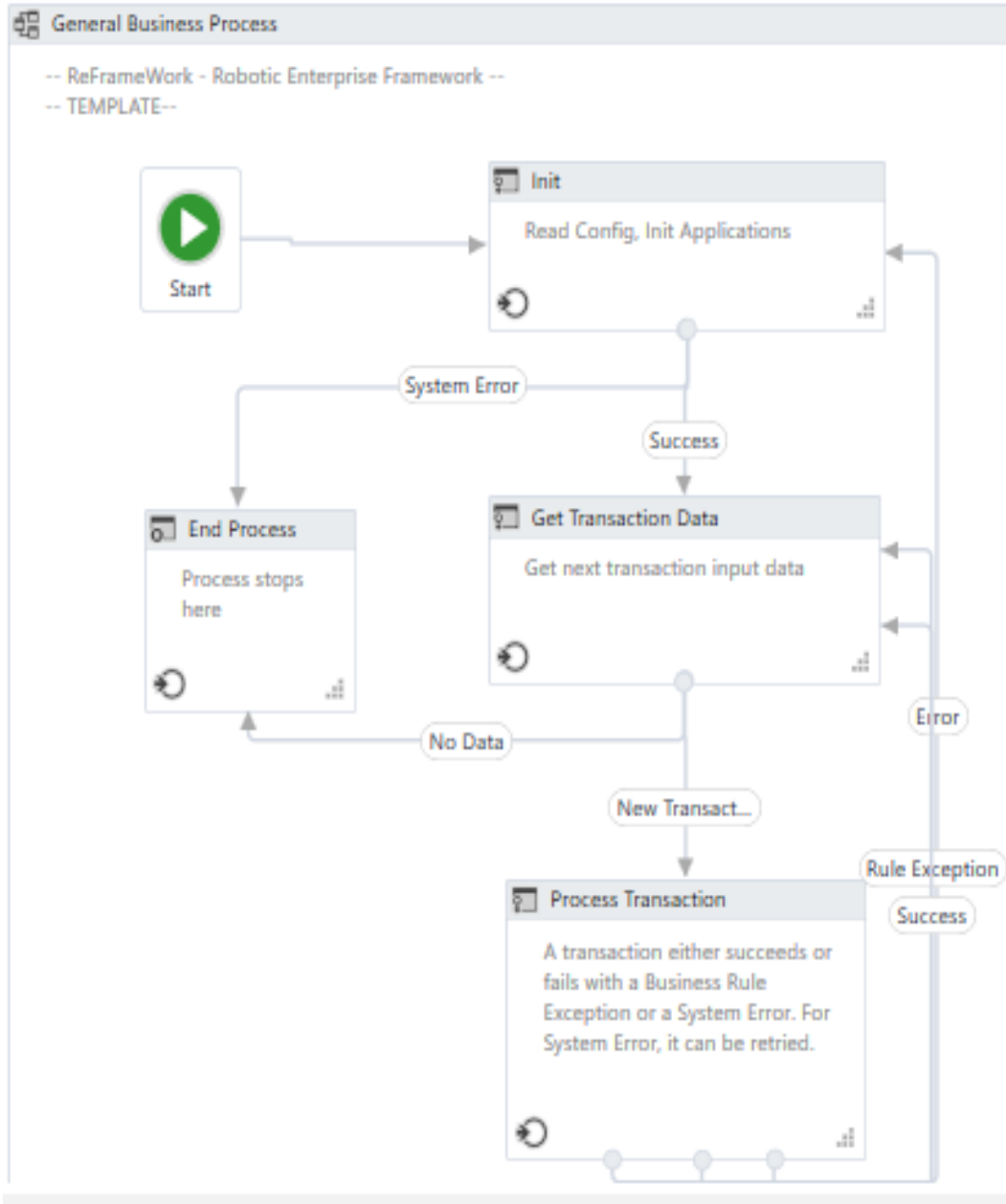
“Sports invitation made easy! “

Sends out multiple Google Calendar invites with loaded goodies on upcoming games.



- **Problem to Solve:** To make life easier for both organizers and teams involved in various outdoor sports like cricket, baseball, soccer, football, field hockey etc. by tracking and notifying relevant information of different games in a league or tournament.
- **About the project:** The Sports inviter “bot” will read inputs from excel files on teams, schedule, player & venue . It then compiles a Google calendar invite with game , weather and player trip details for different teams involved in the tournament.
- **Value:** Reduces the time taken and manual efforts on repetitive tasks to communicate game details, improves quality by removing manual error and increasing stakeholder satisfaction in tournament participation.
- **Benefits:**
 - Game Organizers: Improve team’s participation in the tournament/league. Having all the games schedules in a Calendar will help them better organize and communicate changes to the games.
 - Team Captains/Mangers: Team captains don’t have to manually share game details and track each team member’s availability.
 - Team members (including captains): Single source of information on all upcoming games including venue, weather and trip details in one place and automatic reminder for the game.



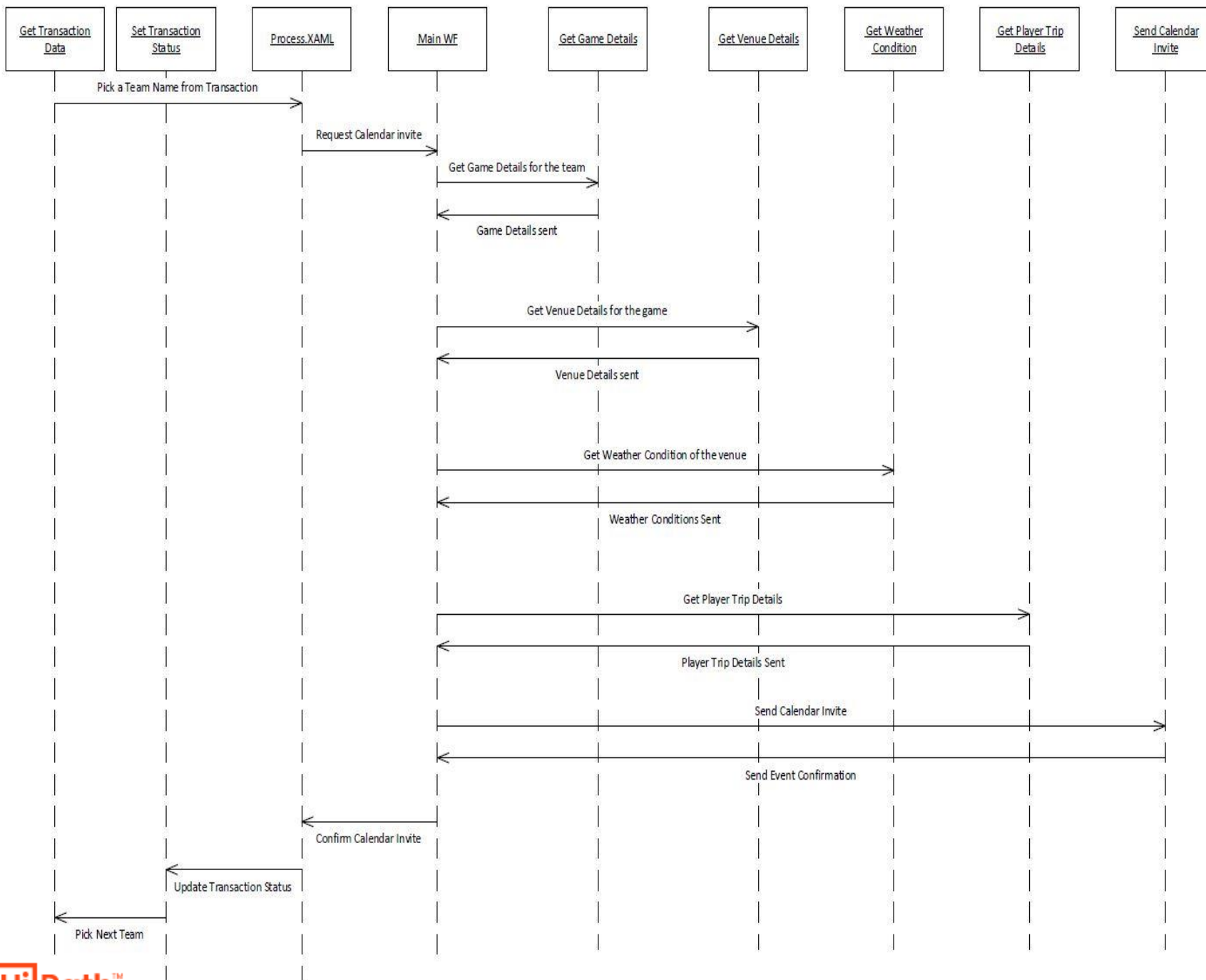


Input files:

- 1) Teams.xlsx : Excel with 2 columns a) Team names & b)Tournament name [the team has registered]
- 2) Schedule.xlsx: Excel with game schedule details for a tournament which has a) Game date b) Start and end time c) Teams playing d) Venue name
Note: This sheet can be created by scrapping the webpage if the tournament has a website.
- 3) Venues.xlsx: Excel will have a) Venue name, b) address, c) zip and d) google map link
- 4) Players.xlsx: Excel sheet with a)player name, b)address and c)email id

Pre requisite : Check documentation\Prerequisites.pdf

- UiPath Studio installed on a Windows machine
- Setup folders and inputs files for teams (Mandatory)
- UiPath Activities: Gsuite activity pack from UiPath Go!) & Uipath.Web.Activites
- API Setup's :Open Weather API setup & Google Direction and Calendar API setup



4.1.1 Get Game Details from Schedule Module

- Input: Team name
- Steps: use the team name and get the game details from Schedule.xlsx
- Output: team 1 , team 2, venue name, game date, start and end time

4.1.2 Find Venue Address and Zip Module

- Input: Venue name
- Steps: Use the venue name and find the venue address from Venues.xlsx
- Output: address, zip & google map link

4.1.3 Get Weather conditions based on Zip Module (Open Weather map API) [Reusable]

- Input: Game date, Venue zip , Weather API end point & Weather API Key
- Steps: Open Weather map will use the venue zip and compile the weather condition of the venue in the game date (from 6 A.M to 9 P.M)
- Output: weather condition on Game date on the venue

4.1.4 Calculate Trip details for players Module (distance and duration using Google Location API) [Reusable]

- Input: Origin address , destination address, Google API key, Google Location API endpoint
- Steps: Google Location API will calculate the distance and duration based on the origin and destination addresses
- Output: Distance and Duration

4.1.5 Send Calendar invite module (Google Gsuite Calendar API) [reusable]

- Input: Invitees email id's, Event Title , Event Description, Date, start and end time, location, Google API Key, Google client ID and client Secret
- Steps: Gsuite UiPath activity will use all the inputs to send out the Calendar invite and returns a confirmation in form of Event ID.
- Output: Google Calendar Event ID

DCL: LazyLADS vs Mustangs Blue

On 2019-06-15 between 11.30 A...

Saturday, 15 June · 11:30am – 3:30pm

3500 McDermott Road, Plano, TX 75025

13 guests

11 yes, 2 awaiting

Game Details :

DCL: LazyLADS vs Mustangs Blue On 2019-06-15
between 11.30 AM - 03.30 PM

Venue Details:

Venue Name: Russell Creek G5 S or T

Venue Address: 3500 McDermott Road, Plano, TX
75025

Google Map Link:

<https://goo.gl/maps/scigRgk5kwAeYsdL8>

Weather Details:

Date :2019-06-15 Time Period: 06:00:00 to 09:00:00

- 1) Weather condition is : clear sky
- 2) Clouds: clear sky
- 3) wind speed: 8.59mps.
- 4) Max Temp: 78 F Min Temp: 78 F

Date :2019-06-15 Time Period: 09:00:00 to 12:00:00

- 1) Weather condition is : few clouds
- 2) Clouds: few clouds
- 3) wind speed: 7.45mps.
- 4) Max Temp: 77 F Min Temp: 77 F

Date :2019-06-15 Time Period: 12:00:00 to 15:00:00

- 1) Weather condition is : clear sky
- 2) Clouds: few clouds
- 3) wind speed: 8.01mps.
- 4) Max Temp: 83 F Min Temp: 83 F

Date :2019-06-15 Time Period: 12:00:00 to 15:00:00

- 1) Weather condition is : clear sky
- 2) Clouds: few clouds
- 3) wind speed: 8.01mps.
- 4) Max Temp: 83 F Min Temp: 83 F

Date :2019-06-15 Time Period: 15:00:00 to 18:00:00

- 1) Weather condition is : scattered clouds
- 2) Clouds: scattered clouds
- 3) wind speed: 8.71mps.
- 4) Max Temp: 91 F Min Temp: 91 F

Date :2019-06-15 Time Period: 18:00:00 to 21:00:00

- 1) Weather condition is : clear sky
- 2) Clouds: clear sky
- 3) wind speed: 8.75mps.
- 4) Max Temp: 96 F Min Temp: 96 F

Trip Details:

Swapnil - Distance: 25.0 mi Duration : 27 mins
Sameer - Distance: 46.6 mi Duration : 48 mins
Arun - Distance: 46.6 mi Duration : 48 mins
Karthik - Distance: 49.8 mi Duration : 49 mins
Kapil - Distance: 45.2 mi Duration : 53 mins
Akshay - Distance: 56.6 mi Duration : 56 mins
Akash - Distance: 21.2 mi Duration : 29 mins
Thiru - Distance: 32.3 mi Duration : 34 mins
Pradeep - Distance: 46.6 mi Duration : 48 mins
Hari - Distance: 19.0 mi Duration : 24 mins
Venkat - Distance: 46.6 mi Duration : 48 mins
Achal - Distance: 19.0 mi Duration : 24 mins
Adee - Distance: 19.0 mi Duration : 23 mins

Please Accept the Invite to confirm your availability!!



30 minutes before, as email
30 minutes before



dclcalendar2019@gmail.com

Going?

Yes No Maybe

Future Enhancements

- Updated weather condition in the calendar invite every day until the game day.
- If game is cancelled intimate the teams and players by cancelling the calendar event.
- Extend the framework to have options to send invites for a) a single game b) all the games in a group c) entire tournament with multiple groups and d) even multiple tournaments.