

ULTIMATE FRISBEE SCORING APP

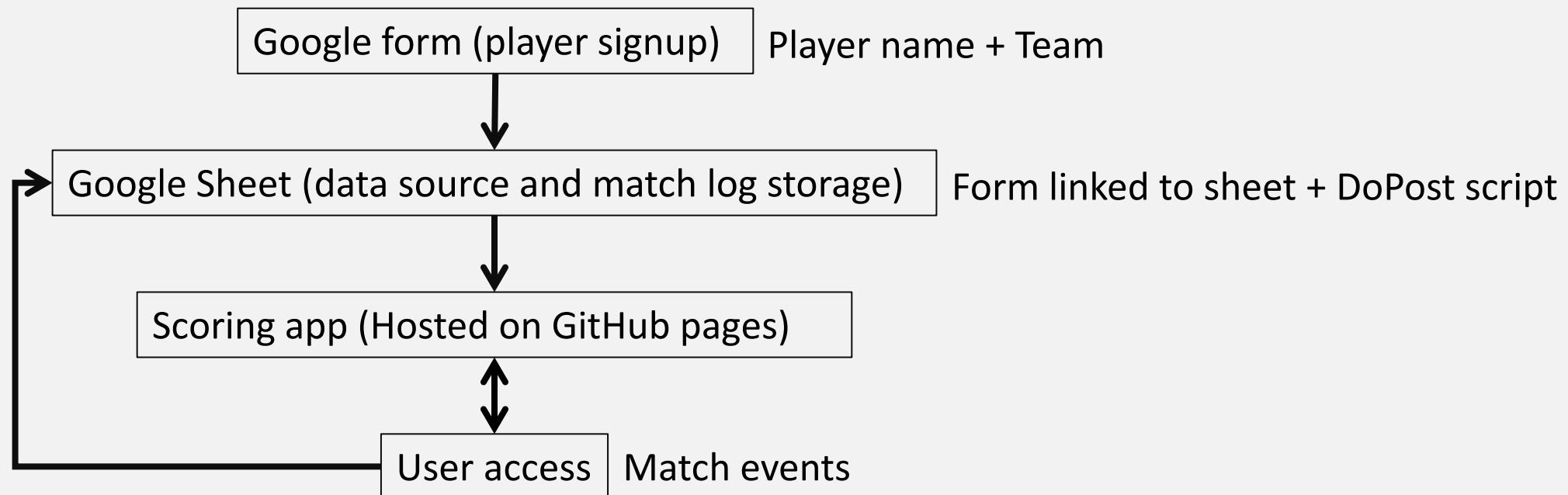
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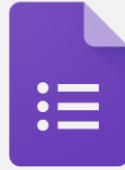
The goal

This app is meant for tracking casual leagues where there are no dedicated scorekeepers, thus it only tracks the basics. Paired with the fact that these leagues don't have large budget this app uses free to use services to host the data.

Data flow



Implementation



Google Forms

Google Form:

1. Create a Google form to collect player signup data.
(Player name and team is needed; all other fields are optional)
2. Link the signup form to the Google Sheet. This way all current and future signups will be automatically added to the player register.



Implementation

The so called data base:

1. Create a page called **Team_roster**, this will be what the app calls to retrieve team data.

Team_roster:

1. Team names are spread horizontally across row 1.

=TRANSPOSE(UNIQUE(**Signup_Team_Column**))

2. All relevant players are distributed underneath their teams

=SORT(IFERROR(FILTER(**Signup_Names**, **Signup_Team_Column** =A1),""),1,TRUE)

Mates Muzz Mullets	UCT Man Cubs	Mutiny	Gradient Ultimate	Hot Sauce	Mates Ma'Ladies			
Demo_1	Demo_1	Demo_1	Demo_1	Demo_1	Demo_1			
Demo_2	Demo_2	Demo_2	Demo_2	Demo_2	Demo_2			
Demo_3	Demo_3	Demo_3	Demo_3	Demo_3	Demo_3			
Demo_4	Demo_4	Demo_4	Demo_4	Demo_4	Demo_4			
Demo_5	Demo_5	Demo_5	Demo_5	Demo_5	Demo_5			
Demo_6	Demo_6	Demo_6	Demo_6	Demo_6	Demo_6			
Demo_7	Demo_7	Demo_7	Demo_7	Demo_7	Demo_7			
Demo_8	Demo_8	Demo_8	Demo_8	Demo_8	Demo_8			
Demo_9	Demo_9	Demo_9	Demo_9	Demo_9	Demo_9			
Demo_10	Demo_10	Demo_10	Demo_10	Demo_10	Demo_10			
Demo_11	Demo_11	Demo_11	Demo_11	Demo_11	Demo_11			
Demo_12	Demo_12	Demo_12	Demo_12	Demo_12	Demo_12			
Demo_13	Demo_13	Demo_13	Demo_13	Demo_13	Demo_13			
Demo_14	Demo_14	Demo_14	Demo_14	Demo_14	Demo_14			
Demo_15	Demo_15	Demo_15	Demo_15	Demo_15	Demo_15			
Demo_16	Demo_16	Demo_16	Demo_16	Demo_16	Demo_16			
Demo_17	Demo_17	Demo_17	Demo_17	Demo_17	Demo_17			
Demo_18	Demo_18	Demo_18	Demo_18	Demo_18	Demo_18			
Demo_19	Demo_19	Demo_19	Demo_19	Demo_19	Demo_19			
Demo_20	Demo_20	Demo_20	Demo_20	Demo_20	Demo_20			
Demo_21	Demo_21	Demo_21	Demo_21	Demo_21	Demo_21			
Demo_22	Demo_22	Demo_22	Demo_22	Demo_22	Demo_22			

Signup_Team_Column:
Column of the form responses that houses the team a player will play for.

Signup_Names: Column of the form responses that houses the player names.

Implementation

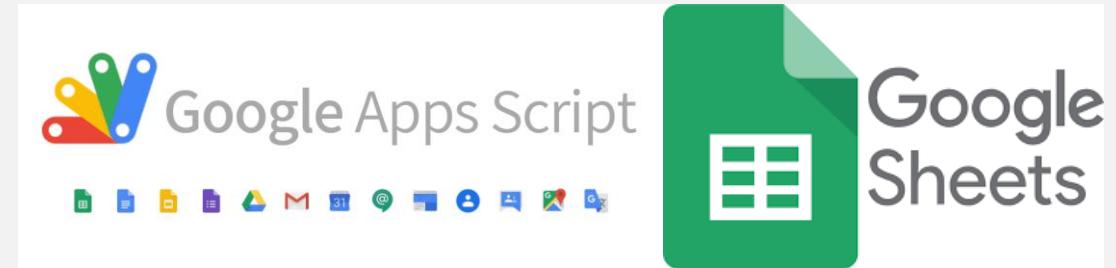


App data source:

1. File -> Share -> Publish to web -> Link -> Team_roster + Comma-separated values (CSV)
2. Ensure to have 'Automatically republish when changes are made' selected.
3. Save the URL for later **[API_URL]**

(<https://docs.google.com/spreadsheets/d/e/.....&single=true&output=csv>)

Implementation



Match log input function:

1. Google sheet-> Extensions -> Apps script -> Editor -> New file
2. Create a file and paste the content of the **function doPost** file (found in the GitHub repository) into the newly created file
3. Replace **LINK_TO_YOUR_SPREADSHEET** with the URL id of your sheet
(<https://docs.google.com/spreadsheets/d/XXXX/edit?gid=1453782812#gid=1453782812>) the **XXXX** is the URL id
4. Deploy -> New deployment
5. Give a suitable name
6. Execute as: '**Me (your_email_account)**'
7. Who has access: **Anyone**
8. Save Web app URL for later **[SUBMIT_URL]**

(<https://script.google.com/macros/s/.....exec>)

Implementation



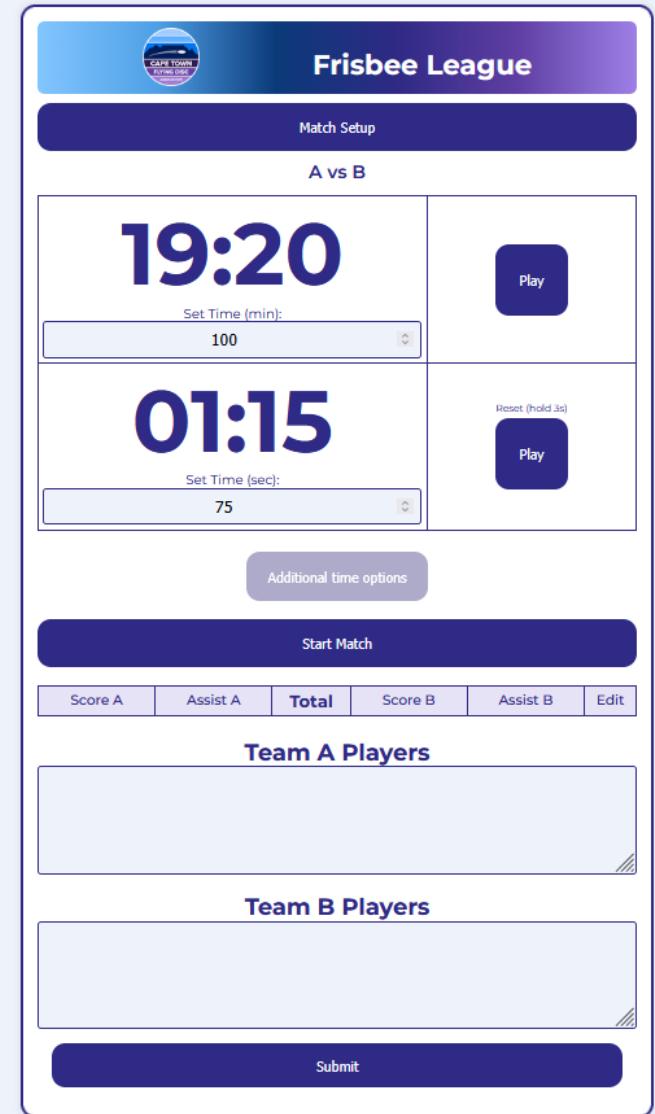
App:

1. Clone the GitHub repository to your own account
2. Scripts.js:
 1. Update **API_URL** with your published page URL
(<https://docs.google.com/spreadsheets/d/e/.....&single=true&output=csv>)
 2. Update **SUBMIT_URL** with your Apps script deployment URL
(<https://script.google.com/macros/s/...../exec>)
3. Replace **logo.png** with a picture of your choosing. So too for **page_icon.png** if you would like
4. Modify **styles.css** if you would like a more fitting theme
5. Settings -> Pages -> Build and deployment -> Deploy from a branch + main branch -> Save
6. The link to the page will appear at the top of the page
(https://your_account.github.io/repository_name/)

App

- 1st timer: Match timer (100min default)
- 2nd timer: Auxiliary (75s default)
- Auto-save every 2 seconds
- Stores data locally for reload protection
- Submitting the match, both submits the logs to the Google sheet and downloads a local CSV copy in case of any network errors
- If the setup is done correctly, any new player can sign up and be added to the team roster automatically. But once the app is loaded for a match and the data is pulled the players are fixed for the match duration.

Previous game data found. Would you like to restore your previous session?



App

Match setup:

- Select team A and B
- Change any values if needed
- ABBA is **None** by default. Male and Female options are available, and refers to the first line of the match.
- Once saved the team rosters will appear on the lists at the bottom of the page

Game Setup

Team A	Select Team A
Team B	Select Team B
Match duration	100
Halftime (min)	55
Halftime duration (min)	7
Timeout duration (sec)	75
Timeouts total	2
Timeouts per half	0
ABBA	None

Save

Team A Players

- Demo_1
- Demo_2
- Demo_3
- Demo_4
- Demo_5
- Demo_6
- Demo_7
- Demo_8
- Demo_9
- Demo_10
- Demo_11
- Demo_12
- Demo_13
- Demo_14
- Demo_15
- Demo_16
- Demo_17
- Demo_18
- Demo_19
- Demo_20

Team B Players

- Demo_1
- Demo_2
- Demo_3
- Demo_4
- Demo_5
- Demo_6
- Demo_7
- Demo_8
- Demo_9
- Demo_10
- Demo_11
- Demo_12
- Demo_13
- Demo_14
- Demo_15

Submit

App

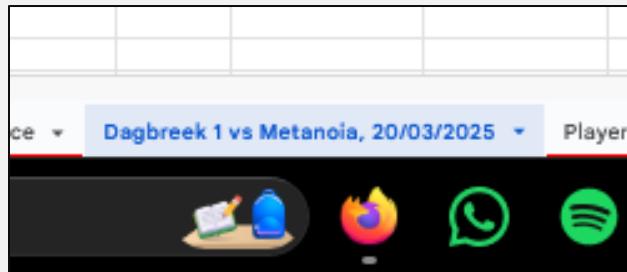
Usage:

- Logs shows Scores, Timeouts, Half time, and Stoppages
- Log entries can be edited or deleted
- Submission immediately sends the log to the Google sheets, downloads a local copy of the logs as a CSV and then clears the local data
- Options for **N/A** and **CALLAHAN** are loaded by default to the player list

The screenshot displays the Frisbee League mobile application interface. At the top, the title "Frisbee League" is visible above a "Match Setup" header. Below this, the match details "Matles Muzz Mullets vs Gradient Ultimate" are shown, along with a timer set at 89:50 and a play button. The main area features a large table of player log entries, which includes columns for Name, Score A, Assist A, Total, Score B, Assist B, and Edit. The log table spans multiple pages. To the right of the log table, sections for "Team A Players" and "Team B Players" list names from Demo_1 to Demo_29. A modal window titled "Edit Score" is open in the foreground, containing fields for "Scorer" (set to Demo_6) and "Assist" (set to Demo_11), along with "Update Score" and "Delete" buttons. A "Submit" button is located at the bottom right of the player lists.

Submissions

Match logs are submitted to the Google Sheet as a new page. Here the data can be filtered to extract player/team/league statistics and track the league.



GameID	Time	Event	Team	Score	Assist
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:08:56	Start			
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:10:51	Score	Maties Muzz Mullets	Demo_1	Demo_19
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:10:56	Score	Gradient Ultimate	Demo_2	Demo_6
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:11:00	Score	Maties Muzz Mullets	Demo_3	Demo_16
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:11:05	Score	Maties Muzz Mullets	Demo_3	Demo_18
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:11:09	Score	Gradient Ultimate	Demo_2	Demo_4
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:11:16	Score	Maties Muzz Mullets	Demo_16	Demo_17
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:11:20	Score	Gradient Ultimate	Demo_5	Demo_12
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:11:26	Score	Maties Muzz Mullets	Demo_6	Demo_9
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:11:35	Score	Maties Muzz Mullets	Demo_3	Demo_12
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:11:40	TimeOut	Gradient Ultimate		
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:12:21	Score	Gradient Ultimate	Demo_13	Demo_5
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:12:28	Score	Maties Muzz Mullets	Demo_18	Demo_16
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:12:37	Score	Maties Muzz Mullets	Demo_12	N/A
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:12:37	HalfTime			
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:13:03	Score	Gradient Ultimate	Demo_4	Demo_5
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:13:48	Score	Maties Muzz Mullets	Demo_3	Demo_16
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:13:58	Score	Gradient Ultimate	Demo_10	Demo_6
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:14:04	Score	Maties Muzz Mullets	Demo_4	Demo_10
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:14:40	Score	Gradient Ultimate	Demo_9	Demo_4
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:14:47	Score	Gradient Ultimate	Demo_5	Demo_10
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:15:06	TimeOut	Maties Muzz Mullets		
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:18:05	Score	Gradient Ultimate	Demo_7	Demo_9
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:18:31	Score	Maties Muzz Mullets	Demo_6	Demo_17
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:18:38	Score	Maties Muzz Mullets	Demo_6	Demo_11
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:18:43	Score	Maties Muzz Mullets	Demo_3	Demo_7
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:18:47	Score	Gradient Ultimate	Demo_4	Demo_5
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:18:52	Score	Maties Muzz Mullets	Demo_5	Demo_19
Maties Muzz Mullets vs Gradient Ultimate	09/12/2025, 18:19:13	Score	Maties Muzz Mullets	Demo_5	Demo_19

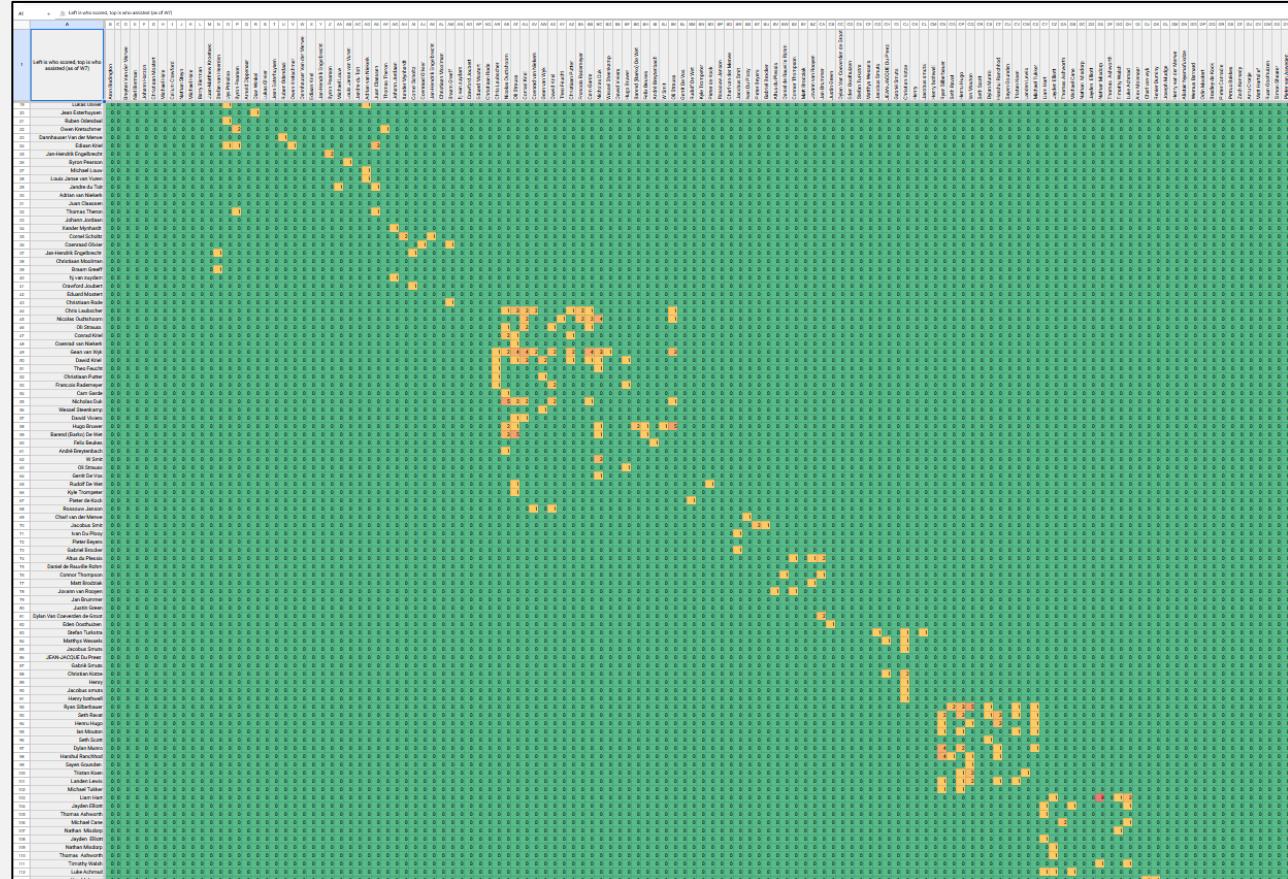
Data extraction

Player logs at week 6 of 12

T1_Team	T1_Player	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	# Total Scores	# A1	# A2	# A3	# A4	# AS	# A6	# A7	# A8	# A9	# A10	# A11	# A12	# Total Assists	Overall Influence
Wijghof	Ryan Bakker	0	4	1	4	2	5	5	7	8	10	0	0	20	0	2	1	0	1	6	0	0	0	0	0	0	10	36
Metanisa	Ryan Silfverhauer	0	5	0	0	3	4	0	0	0	0	0	0	12	0	4	0	0	0	5	0	0	0	0	0	0	0	37
Eindring	Oli Strauss	0	0	0	0	4	1	0	0	0	0	0	0	5	0	2	0	0	0	70	3	0	0	0	0	0	0	21
Wijghof	Anne Conigre	1	1	0	0	4	0	3	0	0	0	0	0	9	4	3	0	4	0	5	0	0	0	0	0	0	0	35
Eindring	David Knoel	0	1	3	0	0	0	4	0	0	0	0	0	14	0	2	3	2	0	2	0	0	0	0	0	0	9	23
Metanisa	Henny Higgs	0	0	5	0	1	0	0	0	0	0	0	0	7	4	0	4	0	4	3	0	0	0	0	0	0	15	32
Wijghof	Peter Conigre	0	0	0	0	3	5	0	0	0	0	0	0	6	0	0	5	2	4	3	0	0	0	0	0	0	15	21
Metanisa	Tom Mouton	1	1	0	0	1	1	0	0	0	0	0	0	4	4	4	5	0	2	2	0	0	0	0	0	0	17	31
Eindring	Nicole Gudhalom	0	0	0	0	4	2	0	0	0	0	0	0	6	0	2	0	0	0	5	7	0	0	0	0	0	0	14
Prake	Liam Hart	0	3	2	4	0	0	0	0	0	0	0	0	16	0	1	0	0	0	0	1	0	0	0	0	0	0	20
Zondag	Edwin Grootenhuis	0	0	1	1	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	16	
Eindring	Boris Grootenhuis	0	0	1	3	2	0	0	0	0	0	0	0	8	1	0	0	0	0	0	0	0	0	0	0	0	3	
Eindring	Elias Liedtke	0	1	2	2	5	1	0	0	0	0	0	0	11	0	2	0	2	0	1	0	0	0	0	0	0	5	
Metanisa	Dith Kruyt	2	3	2	0	4	3	0	0	0	0	0	0	14	0	1	0	0	0	0	0	0	0	0	0	0	2	
Doghouse	Uys Pretorius	0	0	0	0	3	4	1	0	0	0	0	0	8	0	0	0	0	0	2	0	0	0	0	0	0	8	
Eindring	Geen van Wyk	0	3	4	6	5	0	3	0	0	0	0	0	17	0	1	0	1	0	1	0	0	0	0	0	0	3	
Simmering	Wim van Barnard	0	0	1	1	0	1	0	0	0	0	0	0	3	5	0	1	4	0	2	0	0	0	0	0	0	12	
Simmering	Chiel van vliet	0	2	0	1	3	2	0	0	0	0	0	0	8	0	0	0	0	3	1	0	0	0	0	0	0	7	
Metanisa	Dylan Manno	2	0	5	0	2	3	0	0	0	0	0	0	10	2	0	1	0	1	0	0	0	0	0	0	0	5	
Majjala	Christina Kotze	3	0	0	2	0	2	0	0	0	0	0	0	6	2	0	0	3	2	2	0	0	0	0	0	0	9	
Barbeque	Christiana Masseur	0	4	0	0	0	0	0	0	0	0	0	0	7	0	2	4	2	0	0	0	0	0	0	0	8		
Eindring	Nicholas Duk	0	0	1	0	2	1	0	0	0	0	0	0	8	0	0	1	0	3	2	0	0	0	0	0	0	14	
Simmering	Joseph Mudge	1	0	1	0	2	1	0	0	0	0	0	0	7	0	1	1	1	0	4	0	0	0	0	0	0	7	
Quade Molen	Kathleen Midtrop	0	2	1	0	0	0	0	0	0	0	0	0	3	0	4	2	0	0	5	0	0	0	0	0	0	11	
Barbeque	Edwin van der Merwe	0	2	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	0	10	
Barbeque	Ariën Bredenkamp	0	0	4	0	0	0	0	0	0	0	0	0	11	0	0	0	1	0	2	0	0	0	0	0	0	3	
Eindring	Barend (Binkie) de Wet	0	0	2	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	2	0	0	0	0	0	2	
Majjala	Jessica Smale	0	1	0	0	0	0	0	0	0	0	0	0	6	0	1	0	0	0	1	0	0	0	0	0	0	7	
Doghouse	Owen Kuschner	0	0	0	0	0	1	0	0	0	0	0	0	8	0	0	0	1	4	0	0	0	0	0	0	5		
Eindring	Hugo Bruyn	0	0	0	0	4	5	0	0	0	0	0	0	10	0	0	0	0	0	2	0	0	0	0	0	0	2	

Season and weekly statistics

Season	Top Scorers			Top Assists			League Rankings		Team		Avg Scored Avg Conceded			
	Rank	Name	Team	Score	Rank	Name	Team	Assists	Rank	Team	Points	Team	0.00	0.00
Week 1	1	Player_1	Team 12	12	1	Player_1	Team 19		1	Team 15	0	Team 0.00	6.50	
Week 1	2	Player_2	Team 8	8	2	Player_2	Team 10		2	Team 9	9	Team 8.80	2.60	
Week 1	3	Player_3	Team 7	7	3	Player_3	Team 10		3	Team 8	8	Team 3.25	8.00	
Week 1	4	Player_4	Team 6	6	4	Player_4	Team 8		4	Team 7	7	Team 4.00	8.00	
Week 1	5	Player_5	Team 4	4	5	Player_5	Team 4		5	Team 0	0			
Week 10	6	Player_6	Team 3	3	6	Player_6	Team 3		6	Team 2	14			
Week 10	7	Player_7	Team 3	3	7	Player_7	Team 2		7	Team 2	14			
Week 10	8	Player_8	Team 3	3	8	Player_8	Team 2		8	Team 2	14			
Week 10	9	Player_9	Team 0	0	9	Player_9	Team 0		9	Team 0	0			
Week 10	10	Player_10	Team 0	0	10	Player_10	Team 0		10	Player_10	0			
Week 11	Top Scorers	Rank	Name	Team	Score	Top Assists	Rank	Name	Team	Assists	Top Scoring Teams	Rank	Team	Score
	1	Player_1	Team 4	4	1	Player_1	Team 4		1	Team 10		1	Team 10	
	2	Player_2	Team 3	3	2	Player_2	Team 3		2	Team 7		2	Team 7	
	3	Player_3	Team 3	3	3	Player_3	Team 2		3	Team 5		3	Team 5	
	4	Player_4	Team 1	1	4	Player_4	Team 2		4	Team 2		4	Team 2	
	5	Player_5	Team 1	1	5	Player_5	Team 1		5	Team 1		5	Team 1	
	6	Player_6	Team 1	1	6	Player_6	Team 1		6	Team 1		6	Team 1	
	7	Player_7	Team 1	1	7	Player_7	Team 1		7	Team 1		7	Team 1	
	8	Player_8	Team 1	1	8	Player_8	Team 1		8	Team 1		8	Team 1	
	9	Player_9	Team 0	0	9	Player_9	Team 0		9	Team 0		9	Team 0	
	10	Player_10	Team 0	0	10	Player_10	Team 0		10	Player_10	0	10	Player_10	0



Heat map of player connections