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Introduction:

We run a “Virtual Formula 1 Racing League”, with over 300 pilots and 8 categories. The idea is for our Discord Bot, to be a bridge between our web platform and the day to day activities of users.

USE CASES:

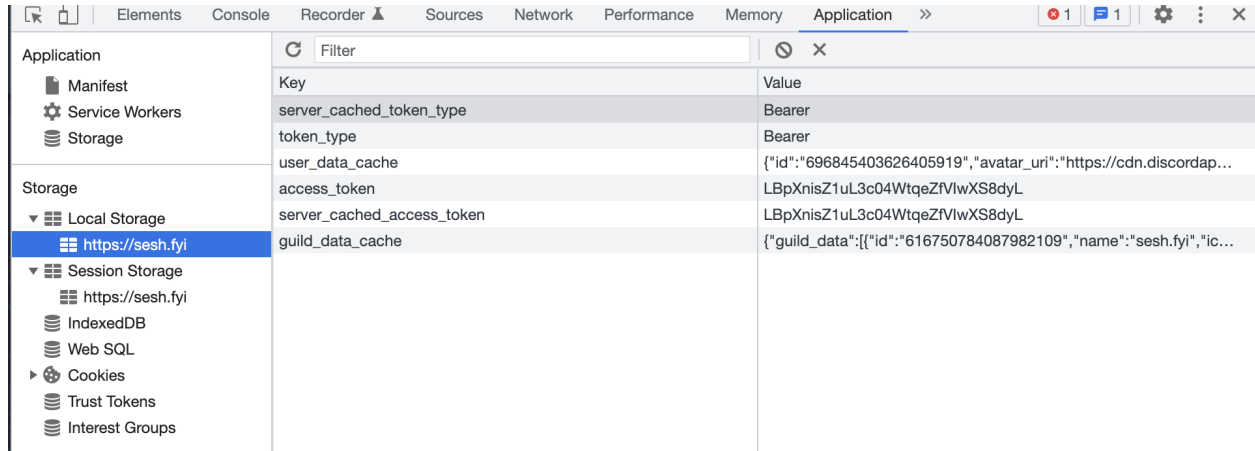
1. **Onboarding:** a process to help new users become part of the league, helping them get their corresponding roles, updating their discord user id in mysql table, etc
2. **Sesh API:** we use a third party bot to allow users to register for events, the confirmation status is accessible via their API. We need to access that API and mysql tables to see which users have not yet confirmed for the event, and tag/DM them.
3. **Pilot Number:** each driver has an assigned pilot number, depending on which category he races, the idea is to query the mysql table and assign available numbers.
4. **Car crashes:** after each race, the players can report any problem/crash they had with other participants via the web platform. The bot will query this list, and provide a summary of all the crashes, and a summary per type of penalty.
5. **Parc Ferme:** after each race, the participants need to upload via the website their youtube video of the race. The bot checks the mysql table, and reminds users who have not uploaded a video yet.

1. Onboarding:

- b. Frontend:
 - i. New User joins \$welcome_role: Create a private welcome channel and add user to channel.
 - ii. Send \$w_message1 (Mention #\$welcome_channel)
 - iii. Once the user selects from the \$welcome_channel role menu
 - 1. Remove \$welcome_role, add \$step2 role
 - 2. if(\$category_role has \$subcategory_roles):
 - a. Send \$w_message2 (Mention #\$sub_channel)
 - iv. Ask for user registration email
 - 1. if(joomla user has no discord_ID), display username and ask confirmation
 - 2. If email address doesnt appear in mysql table, send \$message_noemail
 - v. Ask for user youtube channel
 - vi. Send webcam link
 - vii. Ask for profile picture
 - viii. Ask for user to integrate patreon (check if user has \$patreonrole)
- c. /patreon: check if user has patreon link, if not send message on how to link
- d. Notifiy \$backendchannel each step a user completes
- e. /pending: show a list of all pending users grouped by stage
 - i. Step1
 - ii. Step2
 - iii. Email
 - iv. Youtube
 - v. Patreon

2. Sesh Api

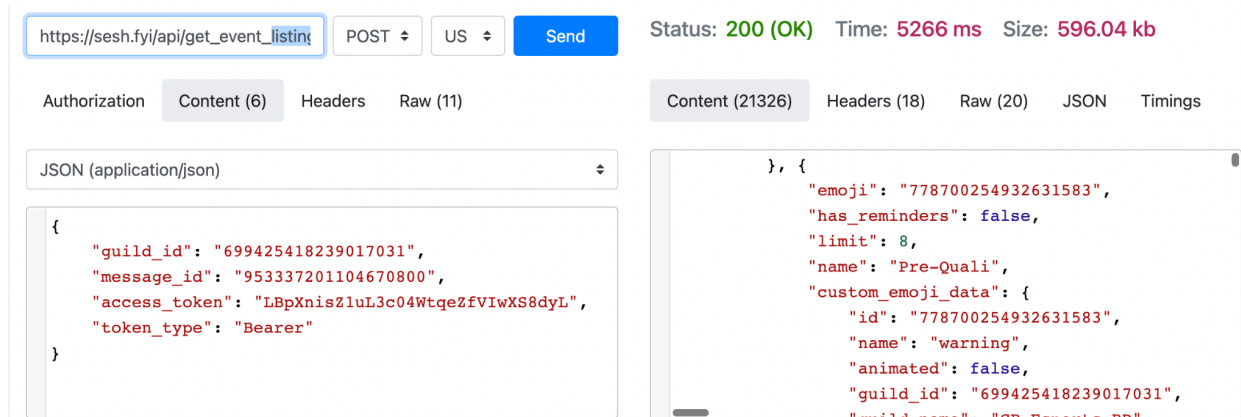
a. Extract token via a popup



The screenshot shows the Chrome DevTools Application tab. The left sidebar is expanded to 'Local Storage' for the URL 'https://sesh.fyi'. The main pane displays a table of storage items:

Key	Value
server_cached_token_type	Bearer
token_type	Bearer
user_data_cache	{"id":"696845403626405919","avatar_uri":"https://cdn.discordap..."}
access_token	LBpXnisZ1uL3c04WtqeZfVlwXS8dyL
server_cached_access_token	LBpXnisZ1uL3c04WtqeZfVlwXS8dyL
guild_data_cache	{"guild_data":{"id":"616750784087982109","name":"sesh.fyi","ic..."}}

b. Make a post to Sesh Api https://sesh.fyi/api/get_event_listings



The screenshot shows the Chrome DevTools Network tab. A POST request to 'https://sesh.fyi/api/get_event_listings' is selected. The status is 200 (OK), time is 5266 ms, and size is 596.04 kb. The 'Content' tab is active, showing the response body in JSON format:

```
{
  "guild_id": "699425418239017031",
  "message_id": "95337201104670800",
  "access_token": "LBpXnisZ1uL3c04WtqeZfVlwXS8dyL",
  "token_type": "Bearer"
}
```

```
{
  "Guild_id": "699425418239017031",
  "Message_id": "95337201104670800",
  "Access_token": "FW9ipppeqP7eg8XaCvmhsjDe0eADVN"
  "Token_type": "Bearer"
}
```

c. Query: eventQuery.txt in attachments

<div> <div><< < 3 > >></div> <div>Show all</div> <div>Number of rows: 25</div> <div>Filter rows: Search this table</div> <div>Sort by key: None</div> </div>														
+ Options														
Project Name	Competition	Pista	start_date	discord_id	eventchannelID	Track ID	Project Track ID	Project Round ID	Project ID	Competition ID	individual_id	nickname	Discord_User_ID	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	138	laimegarcia2001	355480241137074198	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	586	Trimpin27	398228176452452372	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	580	Iceman_BaezGenao	446491856537387010	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	503	Jary09noel	755940416041386036	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	601	marianogarciam...	694702299276247050	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	594	Not_sowerkake	700765754722877492	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	420	JonatanArias94	613413728263733248	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	42	Franluberres	725170858049667143	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	608	DSRT_D-Linares	707727128665260090	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	495	Jeancreton	755053083049984082	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	613	chabain_209	798278605766393096	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	197	Jrferis18	7433355374460292865	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	638	DanielBDO_47	800241233259397190	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	637	CREAFAMAF1	621093375571001345	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	642	SebaF1	693175641687719959	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	672	DLR_Gerardolvp	819885834634395648	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	619	DiegodezRD	911856719603331132	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	665	Frostmaker14	475029241843679262	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	31	Nelsongonzalezp	719573018283868216	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	565	PRistylC	727595836875341975	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	667	Rataramirezp	452944729273925672	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	501	Carlos_abeu17	799383286396485652	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	616	Erickguzmanb	748383005495656630	
GP3 - Temporada 9	F3	Espana	2022-05-03 22:00:00	699487081877078026	797258486764404766	6	6	494	39	3	442	davidfuentes2707	NULL	
GPC2	PC2	Espana	2022-05-02 22:00:00	740436760470880308	960749382507049050	6	6	565	43	11	134	ei_suanfonson	321751594955964437	

- d. /pending: Depending on the eventchannelID where the command was posted, check if DIsCORD_User_ID column shows up in sesh json, if not, post a message mentioning pending Users
- e. /pending -role: check which members of the role shows up in sesh json, if not, post a message mentioning pending Users
- f. /pending -dm: same functionality, but also sends a DM to users who haven reacted
- g. Schedule:
 - i. run /pending 8 hour before 'start_date'
 - ii. run /pending 4 hour before 'start_date'
 - iii. 1 hour before 'start_date' Export list of reactions to json

3. Available Pilot number selection

- a. Query: see numbers already taken
- b. Banned Numbers: txt list of manual numbers not available
- c. /mynumber
 - i. User already has a pilot number: display it for him
 - ii. User doesn't have a pilot number:
 - 1. Reply with a list of available numbers
 - 2. Ask user which number he wants (user must reply directly to message)
 - 3. Update database
 - iii. User doesn't show up on participant list:
 - 1. Send \$notparticipant_message_admin to \$backendchannel.
 - 2. Reply to user with a message: \$notparticipant_message
 - iv. DiscordUserID not found in user table
 - 1. Send \$nodiscordID_message_admin to \$backendchannel.
 - 2. Reply to user with a message: "\$nodiscordID_message"
 - v. /mynumber @randomuser
 - 1. Run command using tagged userID
 - vi. /mynumber #channel
 - 1. Use tagged channel for the command query

4. Car crashes

- List of incidentes
- 20 Grid/RaceBan

5. Prequaly

- Read table `SELECT * FROM `vn2pj_tracks_projects_rounds` where project_id=18`
 - Get round_id of race with start_date<25 hours
 - Project_id configurable from backend

id	round_id	project_id	ordering	start_date
283	17	18	11	2021-01-12 21:00:00
284	18	18	12	2021-01-19 21:00:00
285	19	18	14	2021-01-26 21:00:00
286	21	18	15	2021-02-02 21:00:00
287	20	18	17	2021-02-09 21:00:00
288	22	18	18	2021-02-16 21:00:00
289	23	18	19	2021-02-23 21:00:00

- Read table `SELECT * FROM `vn2pj_timetrial``
 - Select 10 (qty) fastest players from RoundID= step 1
 - Qty of players, configurable from backend

Fecha	Pista	Tiempo	Usuario	RoundID	vence	joomla_id
2021-01-10 23:31:32	Singapur	01:34:319	xd_Leyend	17	2021-01-12 21:00:00	0
2021-01-10 23:19:40	Singapur	01:34:319	xd_Leyend		0000-00-00 00:00:00	0
2021-01-10 23:01:36	Singapur	01:34:597	EduardoJoseV		0000-00-00 00:00:00	0
2021-01-10 00:00:00	Singapur	01:34:597	EduardoJoseV	17	2021-01-12 21:00:00	0
2020-12-10 04:42:07	Italia	01:20:772	IANSGA_	16	2020-12-10 21:00:00	0
2020-12-10 00:52:09	Italia	01:19:177	Samuel-Garcia709	16	2020-12-10 21:00:00	0
2020-12-10 00:29:07	Italia	01:19:739	Ramfis2895	16	2020-12-10 21:00:00	0
2020-12-10 00:19:44	Italia	01:18:931	Xd_Raaf282	16	2020-12-10 21:00:00	0
2020-12-10 00:00:10	Italia	01:19:531	eldumbo98	16	2020-12-10 21:00:00	0

3.

4. Read table: `SELECT * FROM `vn2pj_fields_values` WHERE field_id=13`

+ Options

field_id	item_id	value
	Allow references to items which have strings as id...	
13	729	370826852715200513
13	903	724002356425130016
13	902	630201638837288961
13	846	676883359267291149
13	930	675137068996755477
13	833	731161194403987536
13	791	713180310094872677
13	897	768817665275723787
13	856	586168797245866005

Field_id will always be 13

item_id=joomla_id

value=discordID

1. Let players know they have been given the role via DM
2. Publish to a channel list of selected users
3. Confirm players have VIP-Patreon role before assigning new role
4. Send email with list of players with no joomlaID assigned

Discord Pending Parc Ferme

Objective: Publish a list of users (nickname column) with Youtube1=null, to corresponding Discord ChannelID

- Publish list several times:
 - 14 hours after start_date
 - 23 hours after start_date
- If user has a Discord_ID in database tag user, else use nickname
- Title of Message: \$parc_ferme_header
- Footer of Message \$parc_ferme_footer “{(start_date+1day)-current_time}” hours left
- When {(start_date+2day)=current_time}Add to database for each user:
 INSERT INTO `incidentes`(`Fecha`, `Pista`, `Reportado`, `Afectado`, `Incidente`, `Auth`)
 VALUES (CURRENT_DATE,'Pista','nickname','nickname','Parc Ferme','Discord Bot')
- Command: !parcferme
 Manually runs query where ‘discord channel id’=channel command was run in, and
 replies with the list

Pista	start_date	Discord Channel ID	Category	Season	nickname	Discord_USER_ID	Youtube1
Mexico	2021-02-09 21:00:00	699696575471157329	F1	GP1 - Temporada 3	IPompozo	NULL	NULL
Mexico	2021-02-09 21:00:00	699696575471157329	F1	GP1 - Temporada 3	Cesarguzman2901	NULL	NULL
Mexico	2021-02-09 21:00:00	699696575471157329	F1	GP1 - Temporada 3	Yukalight-RD	NULL	NULL
Mexico	2021-02-09 21:00:00	699696575471157329	F1	GP1 - Temporada 3	EL_ELITE	NULL	NULL
Mexico	2021-02-09 21:00:00	699696575471157329	F1	GP1 - Temporada 3	Mikibrea	NULL	NULL
Mexico	2021-02-11 22:00:00	699487017066823710	F2	GP2 - Temporada 5	Luis_Cortes7	NULL	NULL
Mexico	2021-02-11 22:00:00	699487017066823710	F2	GP2 - Temporada 5	XxSanKy-25xX	NULL	NULL
Mexico	2021-02-11 22:00:00	699487017066823710	F2	GP2 - Temporada 5	Jacobo_a	NULL	NULL
Mexico	2021-02-11 22:00:00	699487017066823710	F2	GP2 - Temporada 5	eldumbo98	NULL	NULL
Mexico	2021-02-11 22:00:00	699487017066823710	F2	GP2 - Temporada 5	DanguelSp33d-FC6	NULL	NULL
Mexico	2021-02-11 22:00:00	699487017066823710	F2	GP2 - Temporada 5	Franlluberes	NULL	NULL
USA	2021-02-09 22:00:00	699487017066823710	F2	GP2 - Temporada 5	Belipena1	676883359267291149	NULL
USA	2021-02-09 22:00:00	699487017066823710	F2	GP2 - Temporada 5	Yabito	NULL	NULL
USA	2021-02-09 22:00:00	699487017066823710	F2	GP2 - Temporada 5	XxSanKy-25xX	NULL	NULL
USA	2021-02-09 22:00:00	699487017066823710	F2	GP2 - Temporada 5	Jorgell_10	NULL	NULL
USA	2021-02-09 22:00:00	699487017066823710	F2	GP2 - Temporada 5	mindfreak2896	NULL	NULL
USA	2021-02-09 22:00:00	699487017066823710	F2	GP2 - Temporada 5	Jacobo_a	NULL	NULL
USA	2021-02-09 22:00:00	699487017066823710	F2	GP2 - Temporada 5	Senasbrothers	NULL	NULL
USA	2021-02-09 22:00:00	699487017066823710	F2	GP2 - Temporada 5	EguitoP	NULL	NULL
USA	2021-02-09 22:00:00	699487017066823710	F2	GP2 - Temporada 5	DanguelSp33d-FC6	NULL	NULL
Mexico	2021-02-09 21:00:00	699487081877078026	F3	GP3 - Temporada 5	Belipena1	676883359267291149	NULL
Mexico	2021-02-09 21:00:00	699487081877078026	F3	GP3 - Temporada 5	Alexiglesias-	NULL	NULL
Mexico	2021-02-09 21:00:00	699487081877078026	F3	GP3 - Temporada 5	Jrferis18	NULL	NULL
Mexico	2021-02-09 21:00:00	699487081877078026	F3	GP3 - Temporada 5	fastramz	713180310094872677	NULL
Mexico	2021-02-09 21:00:00	699487081877078026	F3	GP3 - Temporada 5	JorgeLeroux-jr	NULL	NULL

6. PreRace Message:

- a. Send Message \$message_prerace via DM to each confirmed User
- b. Ninja Link, pilotID, Track,Category, Timeleft, youtube link, nickname,pilotID

7. \$myprofile

- a. Win Count
- b. Podium Count
- c. Next race
- d. YOutube Channel
- e. Participant Category
- f. Webcam Link

Settings File:

1. \$welcome_channel
2. \$category_channel
3. \$category_role
4. \$onboarding_channel
5. \$message_prerace
6. \$patreonrole
7. \$message_noemail
8. \$welcome_role
9. \$w_message1
10. \$step2_role
11. \$subcategory_roles
12. \$w_message2
13. #sub_channel
14. \$notparticipant_message: "You are not part of any category, mods have been notified"
15. \$notparticipant_message_admin:
 "%discord_user_nickname% is not a participant of %Channel Name% @\$mod_role"
16. \$nodiscordID_message: "You have not linked your discord to your website email, mods have been notified"
17. \$nodiscordID_message_admin:
 "%discord_user_nickname% has no ID %discorduserID%) @\$mod_role"
18. \$Backend_Channel
19. \$mod_role
20. \$parc_ferme_header = "Pending Parc Ferme Users for {Pista Column}"
21. \$parc_ferme_footer="{(start_date+1day)-current_time}" hours left to send form.
 <http://gpsportsrd.com/parcferme>

Queries:

22. userquery(email,name,discordID,email,youtube)
23. Pilotnumber (check maybe full category description)
24. Parcfermequery
 - a. DiscordUserID not found in user table
 - i. Notify backend "" and tag @mods.
 - ii. Reply to user with a message: ""
 - b.

Tables:

"Prequali_Assign_Hours": 24,
"Prequali_Remove_Hours": 16,
"Prequali_Role": "quali-GP3",
"Reminder_Channel": 699487081877078026,
"Parcferme_Channel": 699619166533189823,
"Role_Channel": 699487081877078026

Queries

1. Available Pilot Query

SELECT

```
`vn2pj_tracks_projects`.`name` as 'projectName',  
`vn2pj_tracks_projects`.`competition_id` as 'competitionID',  
`vn2pj_tracks_competitions`.`name` as 'competition ID',  
`vn2pj_tracks_competitions`.`discord_id`,  
`vn2pj_tracks_competitions`.`eventchannelID`,  
`vn2pj_tracks_competitions`.`roleID`,  
`vn2pj_tracks_competitions`.`maxpreq`,  
`vn2pj_tracks_participants`.`id` as 'participantID',  
`vn2pj_tracks_participants`.`individual_id`,  
`vn2pj_tracks_participants`.`project_id`,  
`vn2pj_tracks_participants`.`team_id`,  
`vn2pj_tracks_participants`.`number` as 'pilotNumber'
```

```
FROM `vn2pj_tracks_participants`  
inner join vn2pj_tracks_projects on  
vn2pj_tracks_projects.id=vn2pj_tracks_participants.project_id  
inner join vn2pj_tracks_competitions on  
vn2pj_tracks_competitions.id=vn2pj_tracks_projects.competition_id  
where vn2pj_tracks_participants.project_id=43
```

2. Query top 10 fastest users:

```
SELECT TIMT.Fecha,TIMT.joomla_id, TIMT.Pista, MIN(TIMT.Tiempo) AS  
"TIEMPO",TIMT.Usuario , FIELDS.value AS "DISCORDID"  
FROM `vn2pj_timetrial` as TIMT
```

```
INNER JOIN `vn2pj_tracks_projects_rounds` as ROUND ON TIMT.RoundID =  
ROUND.round_id  
LEFT JOIN vn2pj_fields_values as FIELDS ON FIELDS.item_id = TIMT.`joomla_id` and  
FIELDS.field_id=13
```

WHERE

```
DATEDIFF(CURRENT_DATE, ROUND.start_date) < 14 AND ROUND.project_id = 23 GROUP  
BY TIMT.Usuario ORDER BY `TIEMPO` ASC LIMIT 10
```

```
SELECT TIMT.Fecha,TIMT.joomla_id, TIMT.Pista, MIN(TIMT.Tiempo) AS "TIEMPO",TIMT.Usuario ,
FIELDS.value AS "USERDISCORDID", TIMT.VENCE,TIMT.GP2,TIMT.GP3,CATEG.discord_id as "ChannelID"
FROM `vn2pj_timetrial` as TIMT
```

```
INNER JOIN `vn2pj_tracks_projects_rounds` as ROUND ON TIMT.RoundID = ROUND.round_id
LEFT JOIN vn2pj_fields_values as FIELDS ON FIELDS.item_id = TIMT.`joomla_id` and
FIELDS.field_id=13
LEFT JOIN vn2pj_tracks_competitions as CATEG on CATEG.name=TIMT.GP2
```

```
WHERE
DATEDIFF(CURRENT_DATE, ROUND.start_date) < 14 AND ROUND.project_id = 23 GROUP BY
TIMT.Usuario ORDER BY `TIEMPO` ASC LIMIT 10
```

dfa