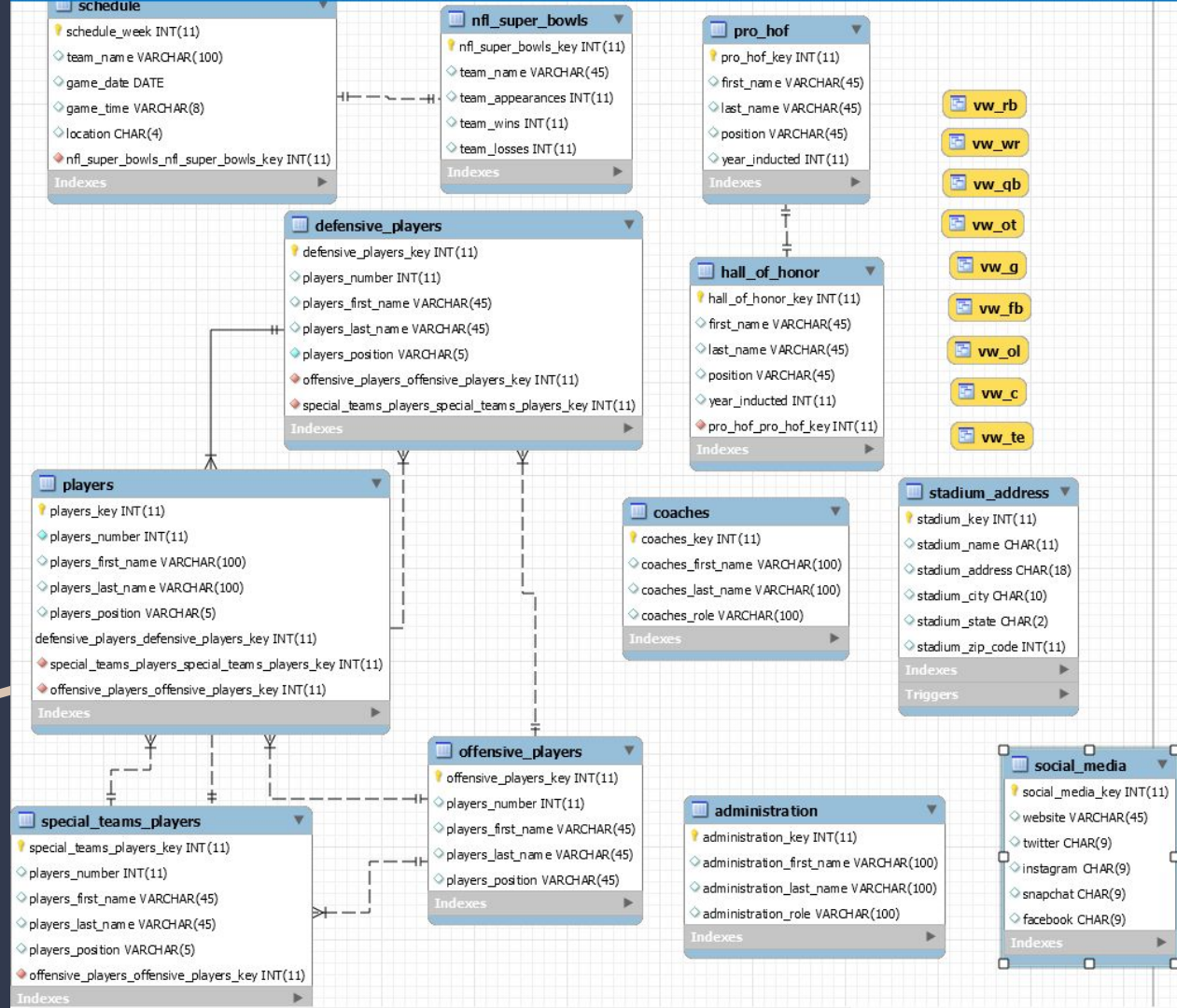# Project: Steelers Database

By: Tyler Hillard, Hassana Dramera & James Adams

EER Diagram
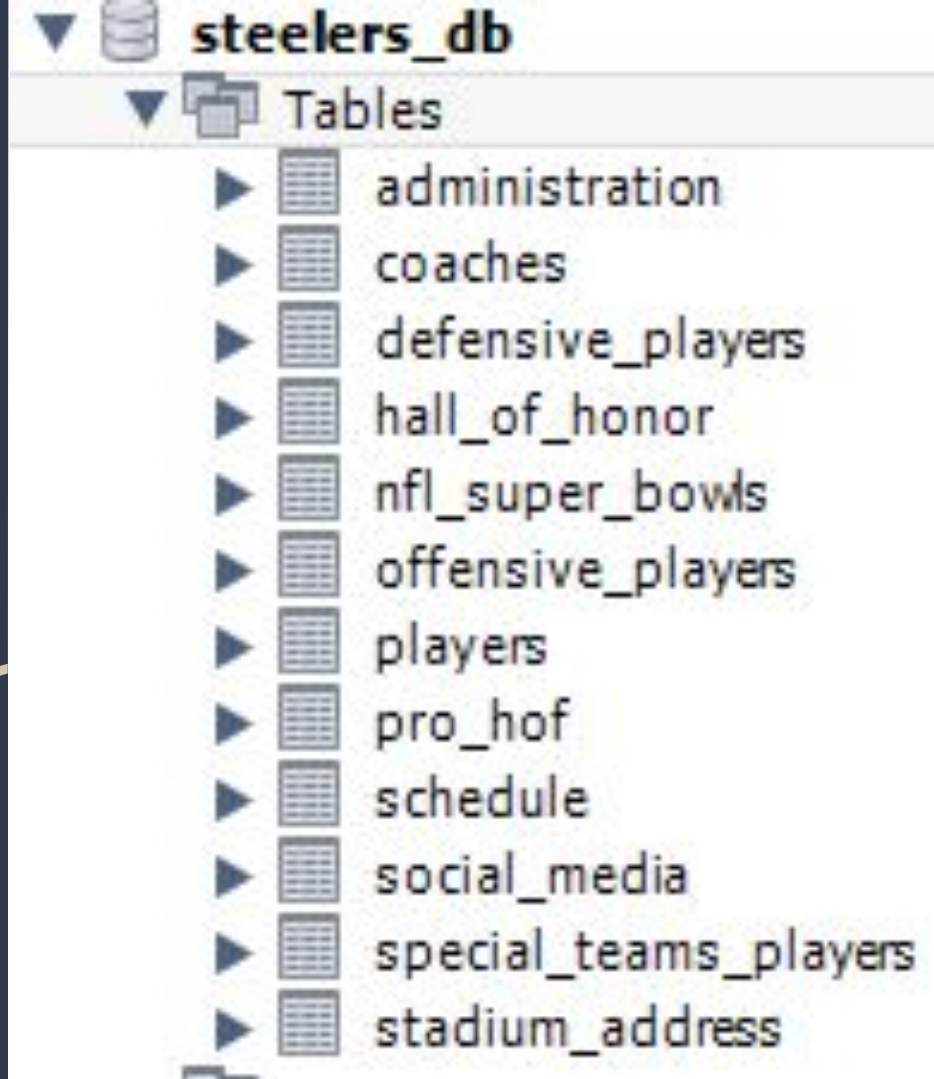
Key Table: Players

12 Total Tables

players_key	players_number	players_first_name	players_last_name	players_position
77	2	Mason	Rudolph	QB
78	4	Jordan	Berry	P
79	5	Joshua	Dobbs	QB
80	6	Devlin	Hodges	QB
81	7	Ben	Roethlisberger	QB
82	8	Corliss	Waitman	P
83	9	Chris	Boswell	K
84	11	Chase	Claypool	WR
85	13	James	Washington	WR
86	14	Ray-Ray	McCloud	WR
87	15	Cody	White	WR
88	16	Mathew	Wright	K
89	17	Deon	Cain	17
166	18	Diontae	Johnson	WR
167	19	Juju	Smith-Schuster	WR
168	20	Cameron	Sutton	CB
169	21	Sean	Davis	S
170	22	Steven	Nelson	CB
171	23	Joe	Haden	CB
172	24	Benny	Snell Jr	RB
173	25	Anoione	Brooks Jr	S
174	26	Anthony	McFarland Jr.	RB
175	27	Marcus	Allen	S
176	28	Mike	Hilton	CB
177	29	Wendell	Smallwood	RB
178	30	James	Conner	RB
179	31	Justin	Layne	CB
180	33	Trey	Edmunds	RB
181	34	Terrell	Edmunds	S

Other Tables

steelers_db
- **Tables**
  - administration
  - coaches
  - defensive_players
  - hall_of_honor
  - nfl_super_bowls
  - offensive_players
  - players
  - pro_hof
  - schedule
  - social_media
  - special_teams_players
  - stadium_address

Stored Procedures: 17 Total

```sql
 1  ● ⊝  CREATE DEFINER=`root`@`%` PROCEDURE `sp_new_player`(
 2            players_number_param INT,
 3            players_first_name_param VARCHAR(100),
 4            players_last_name_param VARCHAR (100),
 5            players_position_param VARCHAR (5)
 6       )
 7    ⊝  BEGIN
 8            insert into players
 9            (players_number, players_first_name, players_last_name, players_position)
10        values
11            (players_number_param, players_first_name_param, players_last_name_param, players_position_param);
12        END
```

Views: 9 Total

```
1    CREATE
2        ALGORITHM = UNDEFINED
3        DEFINER = `root`@`%`
4        SQL SECURITY DEFINER
5    VIEW `vw_qb` AS
6        SELECT
7            `offensive_players`.`players_number` AS `players_number`,
8            `offensive_players`.`players_first_name` AS `players_first_name`,
9            `offensive_players`.`players_last_name` AS `players_last_name`,
10           `offensive_players`.`players_position` AS `players_position`
11       FROM
12           `offensive_players`
13       WHERE
14           (`offensive_players`.`players_position` = 'QB')
15       ORDER BY `offensive_players`.`players_number`
```
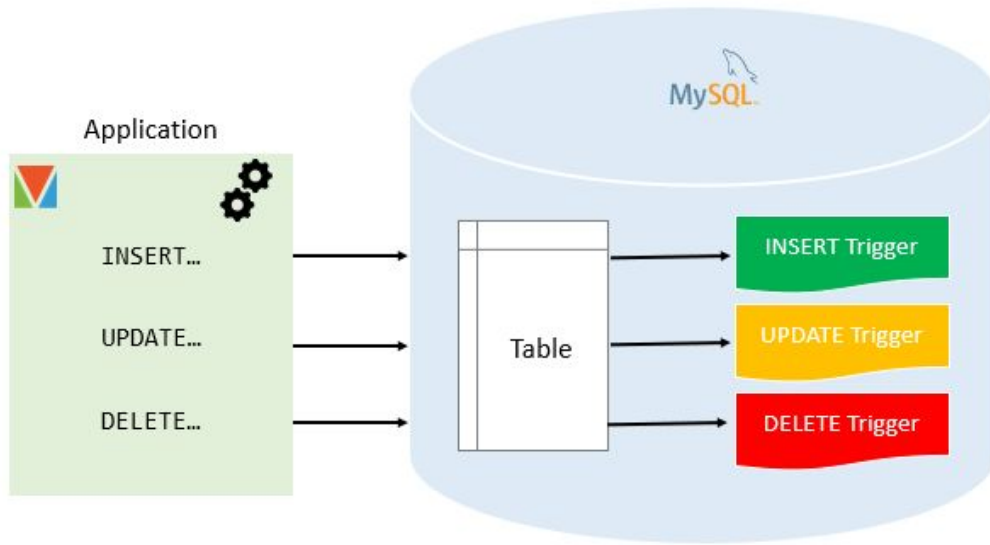
Triggers: 6 Total

```
DELIMITER //
CREATE TRIGGER stadium_state_before_update
    BEFORE UPDATE ON stadium_address
    FOR EACH ROW
BEGIN
    SET NEW.stadium_state = UPPER(NEW.stadium_state);
END//
```

Challenges

- EER Diagram

- Brainstorming

- MySQL Workbench Bugs

- Communication

Successes

- Knowing the data

- Finding data

Thank You!

Questions?