

HU Fieldhouse Schedule Database

Huntington University



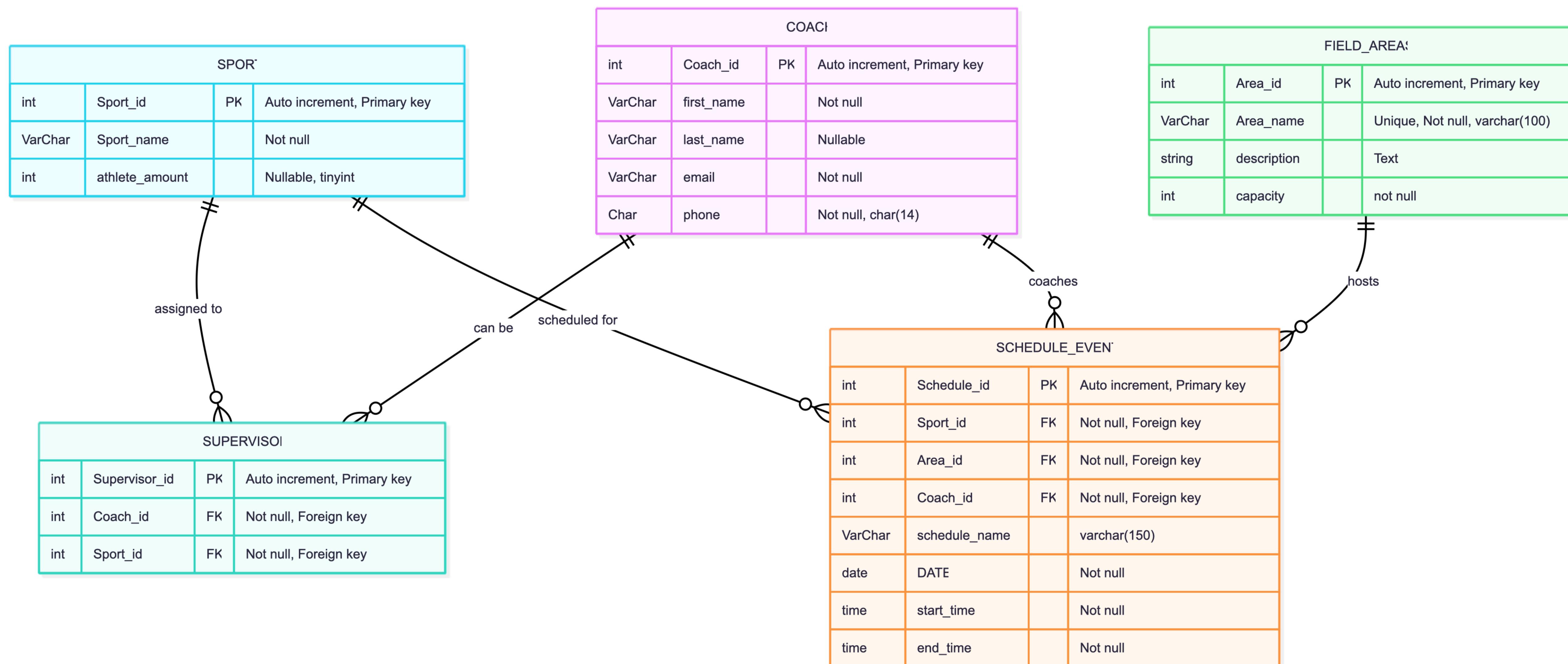
Organization use

Huntington University athletics will use this database to ensure non-student athletes have a schedule for when the athletics teams are occupying fieldhouse areas, as well as show over occupied areas to coaches booking and discuss future renovations based on over occupied areas.

Design

- Overall, the database focuses on the scheduling of HU's athletics in the fieldhouse. This made the most sense to me since larger sports teams are the ones taking a majority of the areas in the fieldhouse and need priority as a group since they will most likely be training to compete in athletic events.

ER MODEL



Report

Year	Month	Day	schedule_name	start_time	End_time
2025	January	1	Womens Volleyball Practice	3:00:00 PM	4:30:00 PM
2025	January	2	Sprints warmup	4:00:00 PM	5:30:00 PM
2025	January	3	HighJump practice	9:00:00 AM	10:30:00 AM
2025	January	4	Baseball practice	10:30:00 AM	12:00:00 PM
2025	January	5	Womens soccer plyometrics	1:00:00 PM	2:30:00 PM
2025	January	6	Mens Tennis lifting	5:00:00 PM	6:30:00 PM
2025	January	7	PoleVault lifting	8:00:00 AM	9:30:00 AM
2025	January	8	Volleyball warmup	11:00:00 AM	12:30:00 PM
2025	January	9	Basketball warmup	2:30:00 PM	4:00:00 PM
2025	January	10	Crosscountry practice	6:00:00 PM	7:30:00 PM
2025	January	11	Sprints workout	7:30:00 AM	9:00:00 AM
2025	January	12	Womens tennis cross training	3:30:00 PM	5:00:00 PM
2025	January	13	Esports lifting	12:00:00 PM	1:30:00 PM
2025	January	14	Womens basketball lift	9:30:00 AM	11:00:00 AM
2025	January	15	Baseball lift	4:30:00 PM	6:00:00 PM
2025	January	16	softball practice	1:30:00 PM	3:00:00 PM
2025	January	17	Mens soccer lift	8:30:00 AM	10:00:00 AM
2025	January	18	Mens Volleyball lift	10:00:00 AM	11:30:00 AM
2025	January	19	LongJump practice	11:30:00 AM	1:00:00 PM
2025	January	20	Powerlift practice	2:00:00 PM	3:30:00 PM

- This report is a simple calendar shows the date and everything is happening on that day. For example, viewing the report allowed me to see that January 1st women's volleyball had practice from 3:00-4:30. This report was made largely due to the regular students not being aware of widely open space time in the fieldhouse.

Key Query

```

SELECT
    ScheduleEvents.schedule_name,
    ScheduleEvents.date,
    FieldAreas.area_name,
    Sport.sport_name,
    Coach.first_name,
    Coach.last_name
FROM ScheduleEvents
INNER JOIN FieldAreas ON ScheduleEvents.area_id =
FieldAreas.area_id
INNER JOIN Sport
ON ScheduleEvents.sport_id = Sport.sport_id
INNER JOIN Supervisor
ON Sport.sport_id = Supervisor.sport_id
INNER JOIN Coach
ON Supervisor.coach_id = Coach.coach_id
WHERE Coach.coach_id IN (
    SELECT coach_id
    FROM Supervisor
    GROUP BY coach_id
    HAVING COUNT(sport_id) = 1);
)

```

- This query answers the question of who is coaching which sport in which area and when. It also separates the coaches who coach multiple sports as to not cause confusion.

schedule_name	date	area_name	sport_name	first_name	last_name
Womens Volleyball Practice	2025-01-01	Court 1	Womens Volleyball	Mary	Lane
Volleyball warmup	2025-01-02	Court 2	Womens Volleyball	Mary	Lane
Sprints workout	2025-01-10	Track Lanes	Track & Field Sprints	Coby	Baily
HighJump practice	2025-01-03	Assault Tredmills	Track & Field Sprints	Coby	Baily
LongJump practice	2025-01-18	Sandpit	Track & Field Jumps	Austin	Rark
Baseball practice	2025-01-04	High Jump Mat	Baseball	Aaron	Carson
Baseball lift	2025-01-14	WR Racks 5&6	Baseball	Aaron	Carson
Mens Soccer plyometrics	2025-01-05	PoleVault Mat	Womens Soccer	Layla	Boss
Mens Tennis lifting	2025-01-06	Small Weight Block 1	Womens tennis	Luke	Hill
PoleVault lifting	2025-01-07	Small Weight Block 2	Track & Field Pole Vault	Jenna	Rogers
Womens Volleyball Practice	2025-01-01	Court 1	Womens Volleyball	Jacob	Hale
Volleyball warmup	2025-01-02	Court 2	Womens Volleyball	Jacob	Hale
Crosscountry practice	2025-01-09	Booster Tredmills	Cross country	Clara	Price
Powerlift practice	2025-01-19	WR DB bench 1	Powerlifting	Noah	Spencer
Mens soccer lift	2025-01-16	WR Racks 9&10	Mens Soccer	Chase	Morgan
Womens Volleyball Practice	2025-01-01	Court 1	Womens Volleyball	Olivia	Chambers
Volleyball warmup	2025-01-02	Court 2	Womens Volleyball	Olivia	Chambers
Esports lifting	2025-01-12	WR Racks 1&2	Esports	Trevor	Burns
Womens basketball lift	2025-01-13	WR Racks 3&4	Womens Basketball	Natalie	Bowers
Baseball practice	2025-01-04	High Jump Mat	Baseball	Maya	Dixon
Baseball lift	2025-01-14	WR Racks 5&6	Baseball	Maya	Dixon
softball practice	2025-01-15	Court 3	Softball	Ellie	Walsh
Mens soccer lift	2025-01-16	WR Racks 9&10	Mens Soccer	Reid	Garcia
Mens Volleyball lift	2025-01-17	WR Racks 11&12	Mens volleyball	Dallas	Ritter
Esports lifting	2025-01-12	WR Racks 1&2	Esports	Jared	Connelly