

Project Presentation

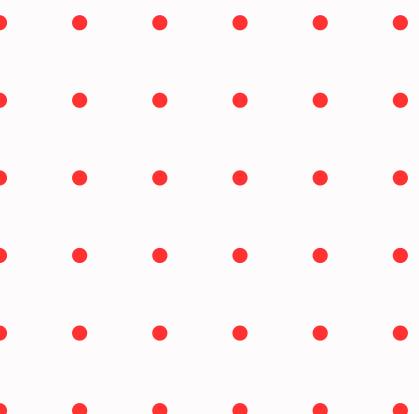
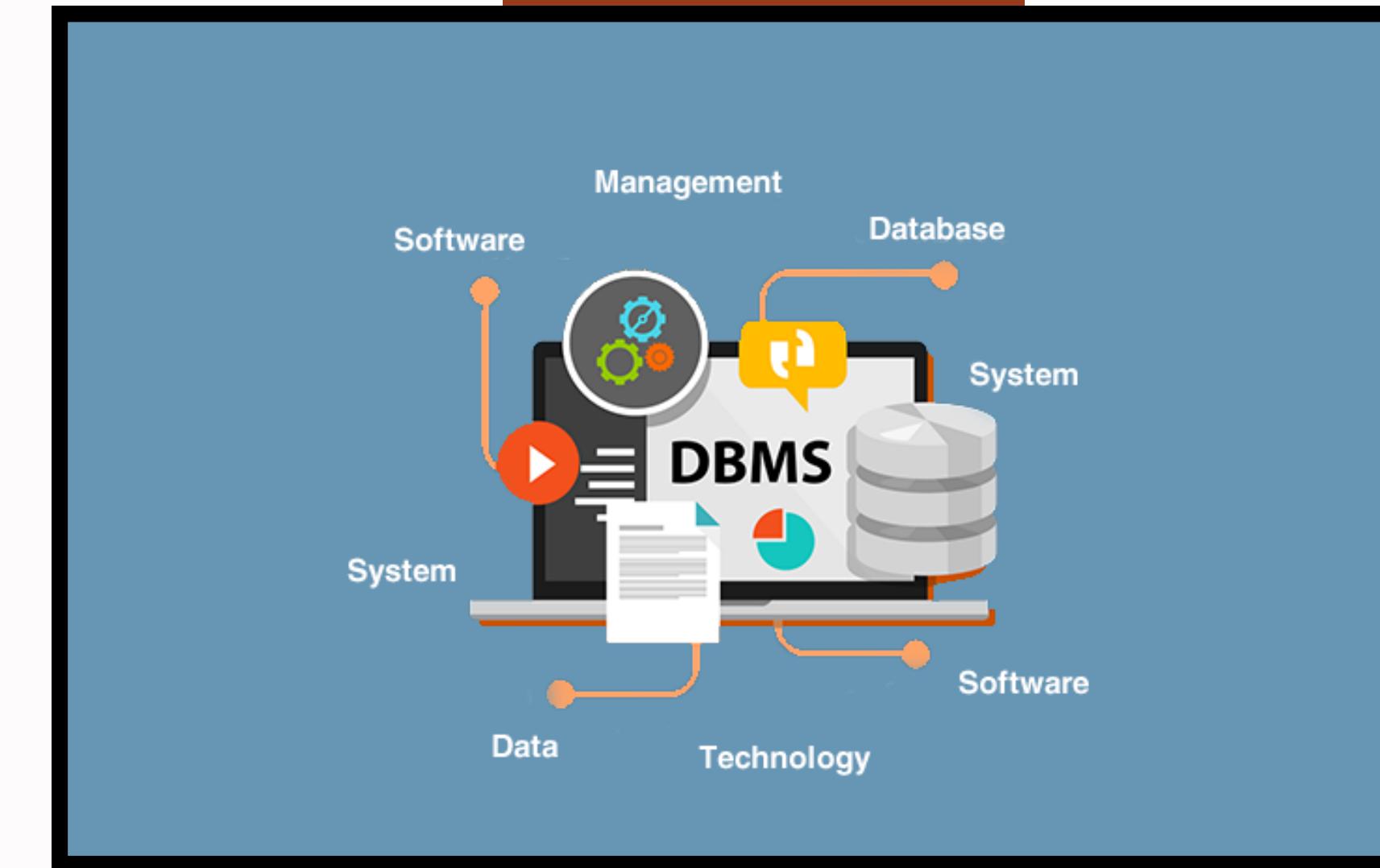
Database Management System Lab

SECTION: C

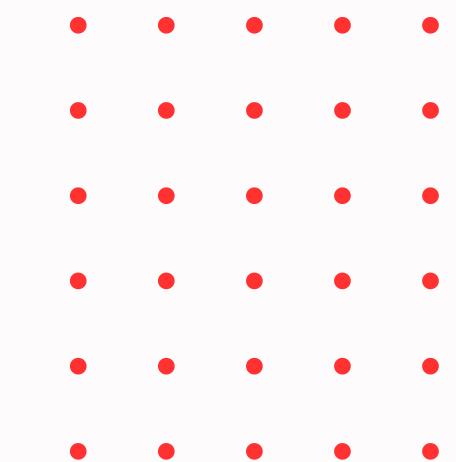
Submitted To:

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United International University (UIU)

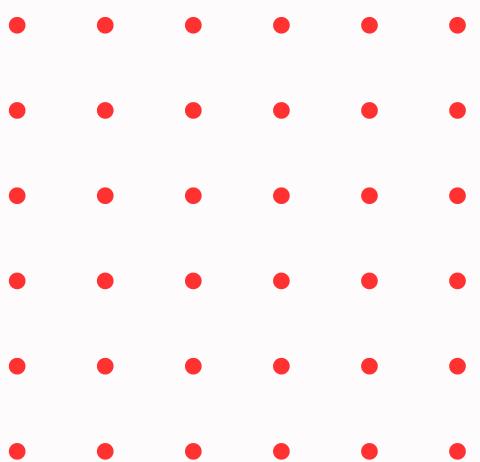


TEAM
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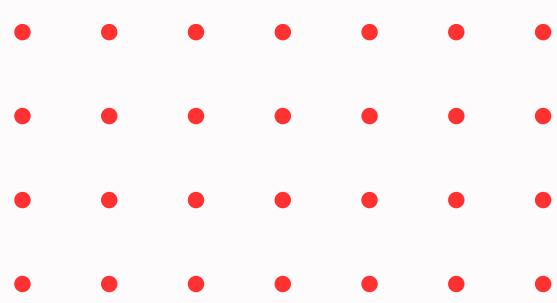
ACADEMIA CONNECT

ELEVATING CAMPUS EXPERIENCE



Content

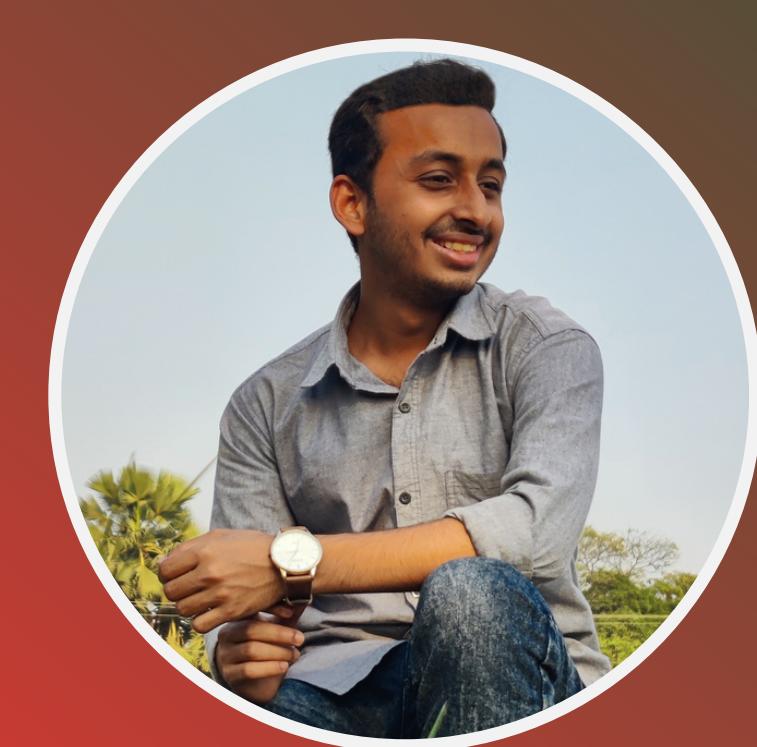
- Project Overview (Title, Intro)
- Our Team
- What We Focus On
- Module Explanation
- Schema Explanation
- ERD Design
- Schema Design
- Future Goals
- Conclusion



Meet Our Team



Mahfuz Hasan Reza
ID: 011221203



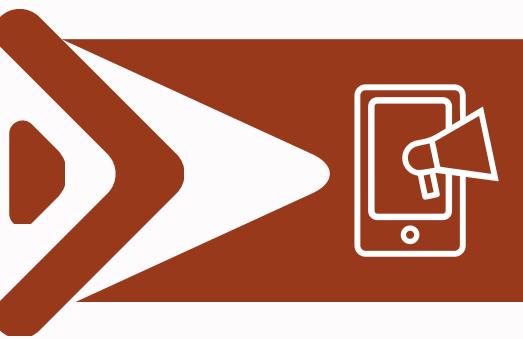
Emon Bepari
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Arshad Mohammad Adel
ID: 011221299

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Project Overview



Title: AcademiaConnect

Scope:

- Comprehensive platform for student-teacher connection
- Canteen food viewing
- Gym subscriptions
- Shuttle bus schedules, and more

Database Design: Structured schema for efficient data management

Technologies:

HTML, CSS, JavaScript, React.js, Node.js/Express.js, MySQL, external APIs, cloud deployment.

What We Focus On

Our university DBMS efficiently manages student life challenges by tracking shuttle services, managing clubs, updating teacher availability, tracking canteen menus, monitoring gym usage, and facilitating buying and selling of educational equipment. This comprehensive solution enhances the university experience by providing easy access to essential services and resources.



Module Description

Student

- Can communicate with the teacher
- Buy or sell study components
- Viewing the canteen food status
- Gym subscriptions
- Realtime update of shuttle schedules
- Viewing the club activities

Student	
<u>st_id</u>	
f_name	
l_name	
dept	
id	(FK)
shuttle_id	(FK)
gym_id	(FK)

Module Description

Teacher

- Can communicate with the student
- Viewing the canteen food status
- Gym subscriptions

Teacher
<u>id</u>
department
f_name
l_name
availability
gym_id (FK)

Module Description

Canteen

- Can change their schedules
- Updating the availability of food
- Updating inventory
- Can manage orders

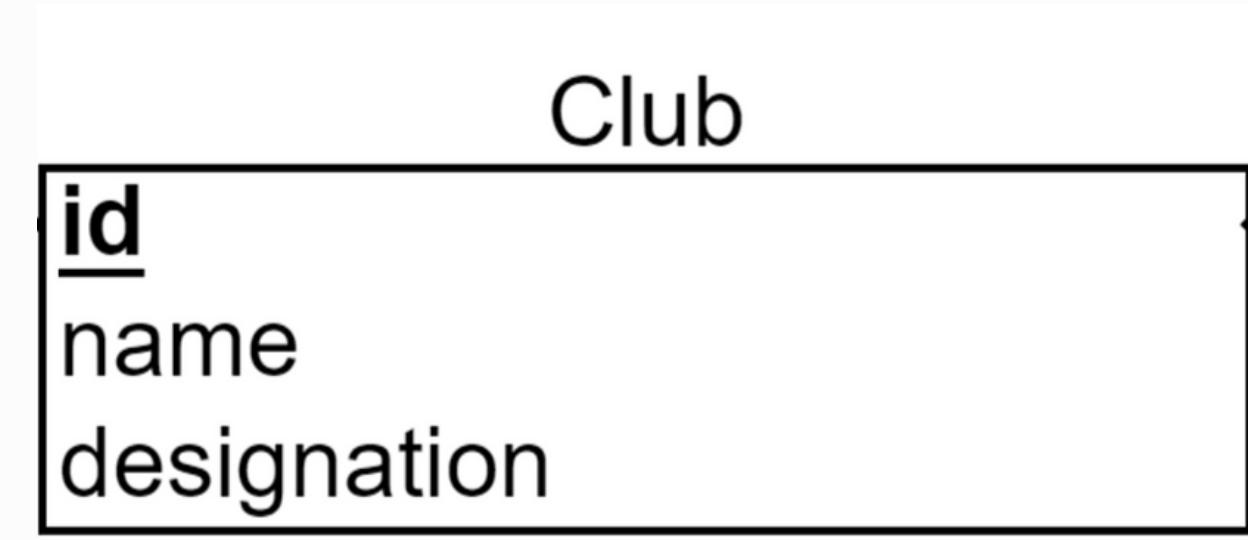
Canteen

<u>id</u>
foods
available_food

Module Description

Club

- Can schedule events
- Updating member list
- Can update membership details



Module Description

Event

- Can create or remove events
- Can update event details (event name, place, time, etc)

Event
<u>event_id</u>
event_name
event_details
date
time
place
id (FK)

Module Description

Instructor

- Can update training experience, join date, etc
- Can track their student's progress

Instructor

<u>ins_id</u>
name
schedule
experience
join_date
gym_id (FK)

Module Description

Buy & Sell

- Can add components and quantity
- Realtime quantity update

Electronics

<u>id</u>
status
quantity
componants
st_id (FK)

Module Description

Gymnasium

- Shows available time
- Consist member details

Gymnesiam	
<u>gym_id</u>	
name	
instructor	
join_date	

Module Description

Shuttle

- Shows available buses
- Real time bus status

Shuttle_Details

<u>shuttle_id</u>	
details	
bus_id	(FK)
st_id	(FK)

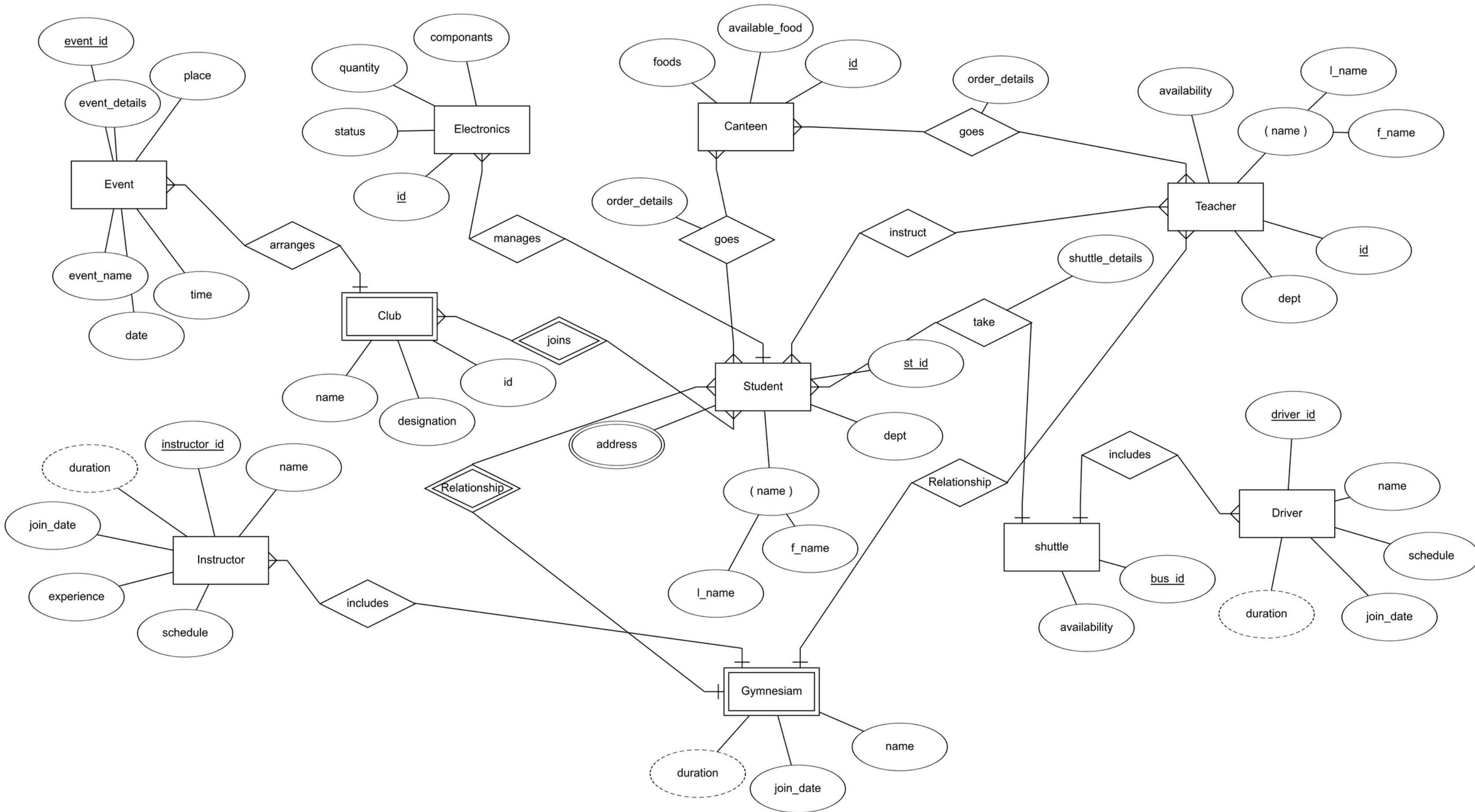
Module Description

Driver

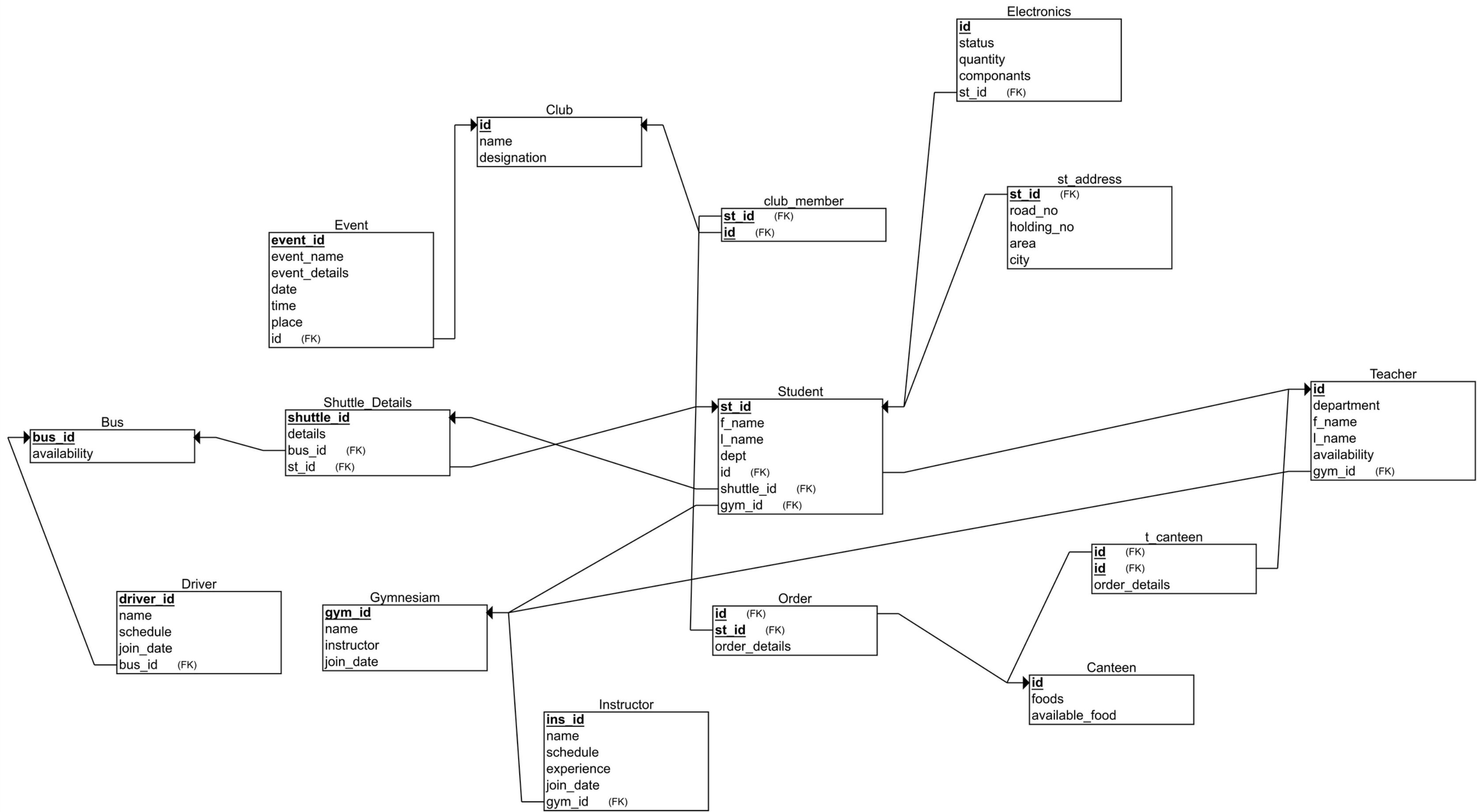
- Can update driver schedule
- Shows real-time bus status

Driver	
<u>driver_id</u>	
name	
schedule	
join_date	
bus_id	(FK)

ER-Diagram



Schema



Future goals

We will expand features to cover more aspects of university life, improving scalability and performance, incorporating analytics for insights, fostering partnerships with campus stakeholders, and becoming an indispensable tool for enhancing the university experience.



THANK YOU

For any query

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