

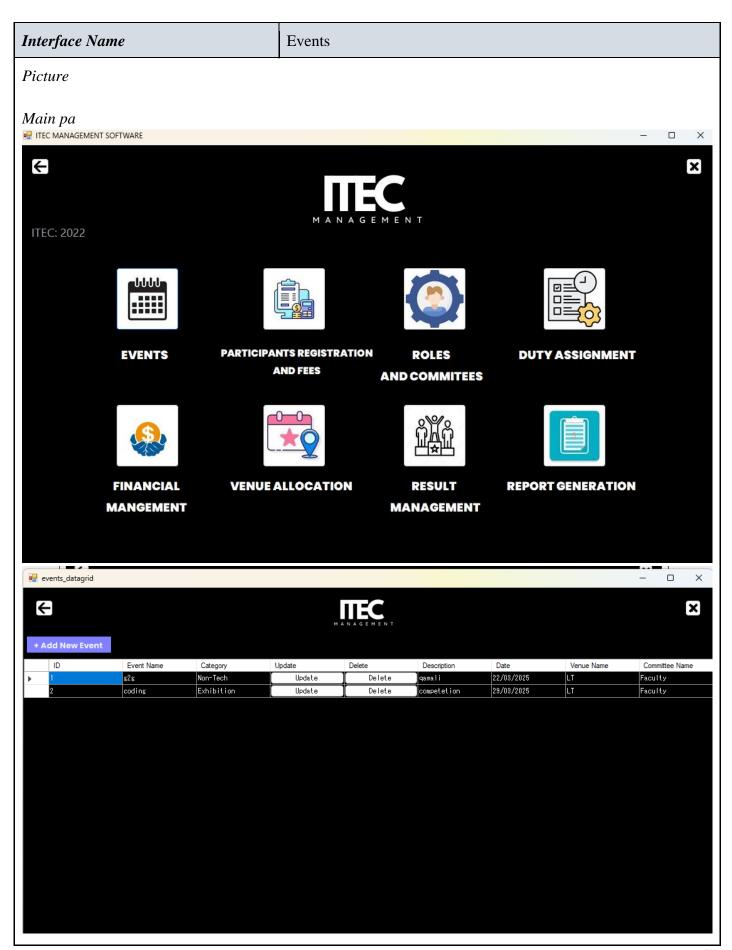
# CSC104-Database Systems Mid Project Report(Spring 2025)

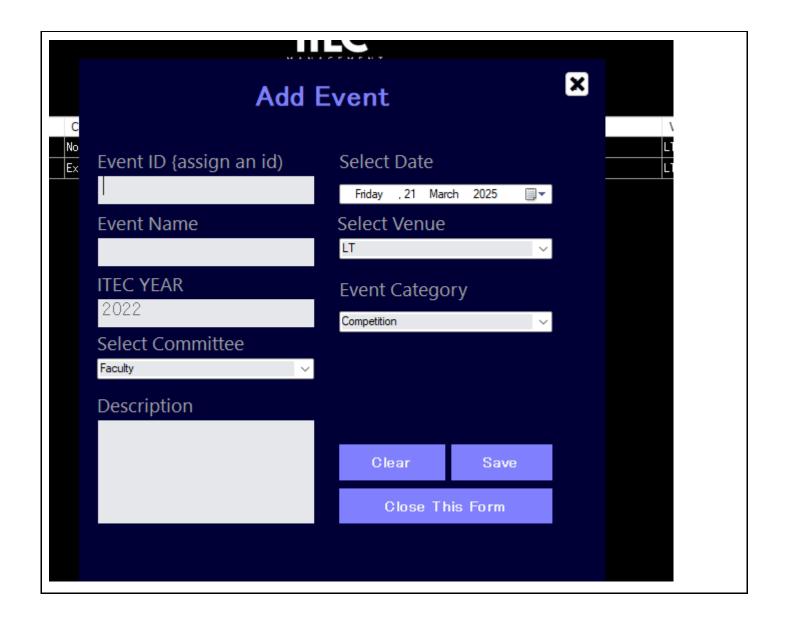


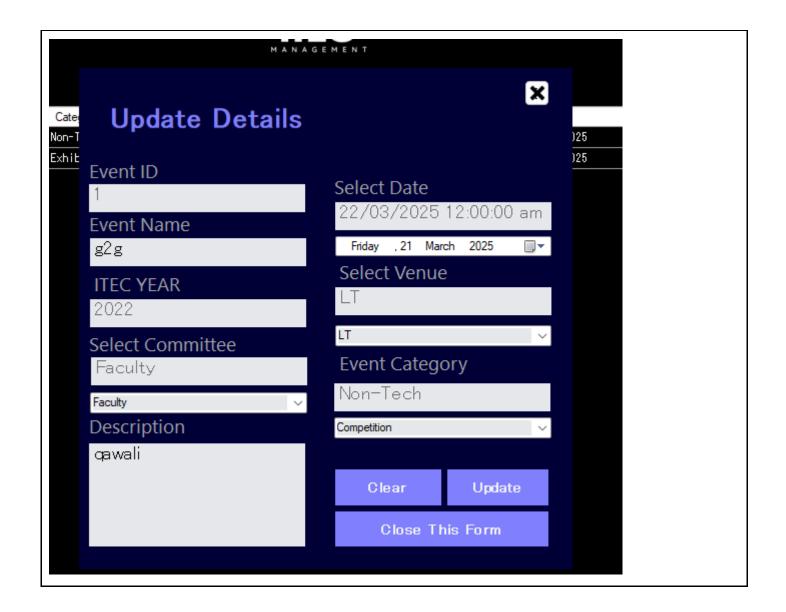
# **Student Details**

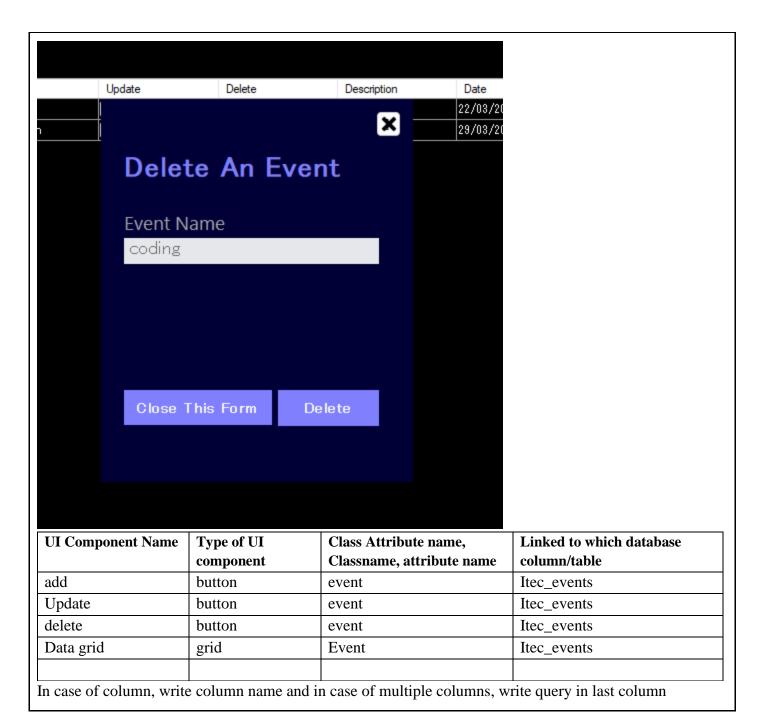
Repository Name	DBS25P152
Registration Number	2024-CS-152

Project	
Project Title	ITEC MANAGEMENT SYSTEM
Executive Summary	The Information Technology Exhibition and Competition (ITEC) is an annual event organized by the Department of Computer Science at UET Lahore. The event comprises various activities such as competitions, exhibitions, seminars, and non-tech events. Traditionally, event management has been handled manually using spreadsheets, emails, and physical records, which has resulted in data inconsistencies, difficulties in committee assignments, financial tracking inefficiencies, scheduling conflicts, and a lack of automated reporting.
	To address these challenges, this project focuses on developing a desktop-based Event Management System using C# and MySQL. The system is designed to digitize and automate event planning, participant management, committee assignments, financial tracking, and duty allocations. Key functionalities include event and participant management, committee and role assignments, financial tracking, venue allocation, and automated report generation. The system aims to streamline operations, minimize human errors, and enhance the overall efficiency of event management at ITEC.
	The Event Management System will enable seamless tracking of participant registrations, fee payments, committee assignments, financial transactions, and event results. Automated report generation will provide insights into participant engagement, financial summaries, and event schedules, thereby improving decision-making and overall event efficiency.

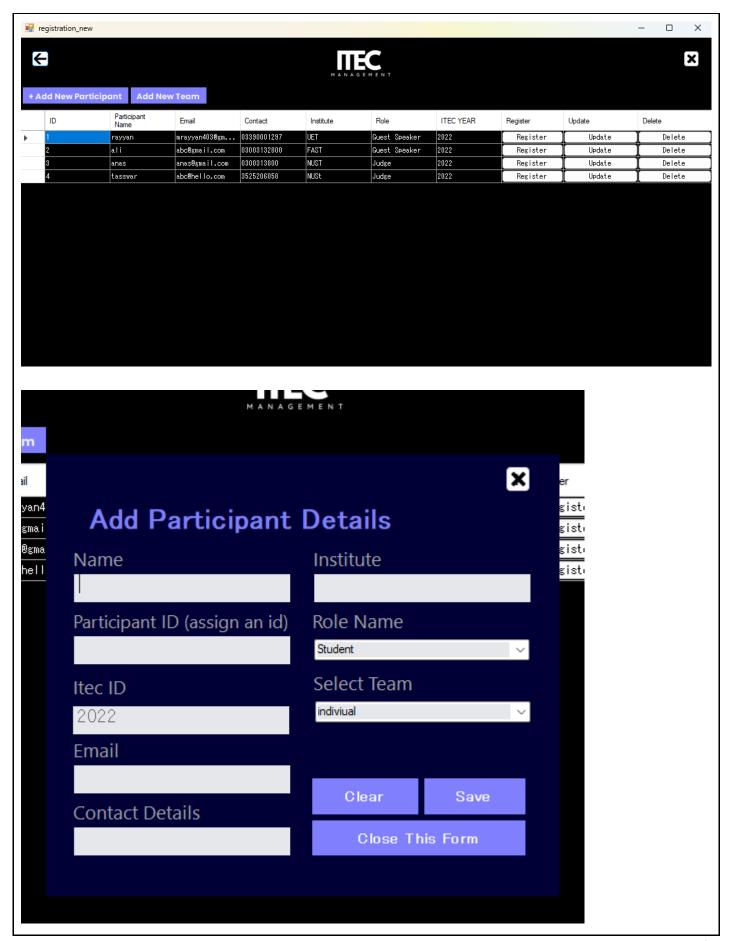


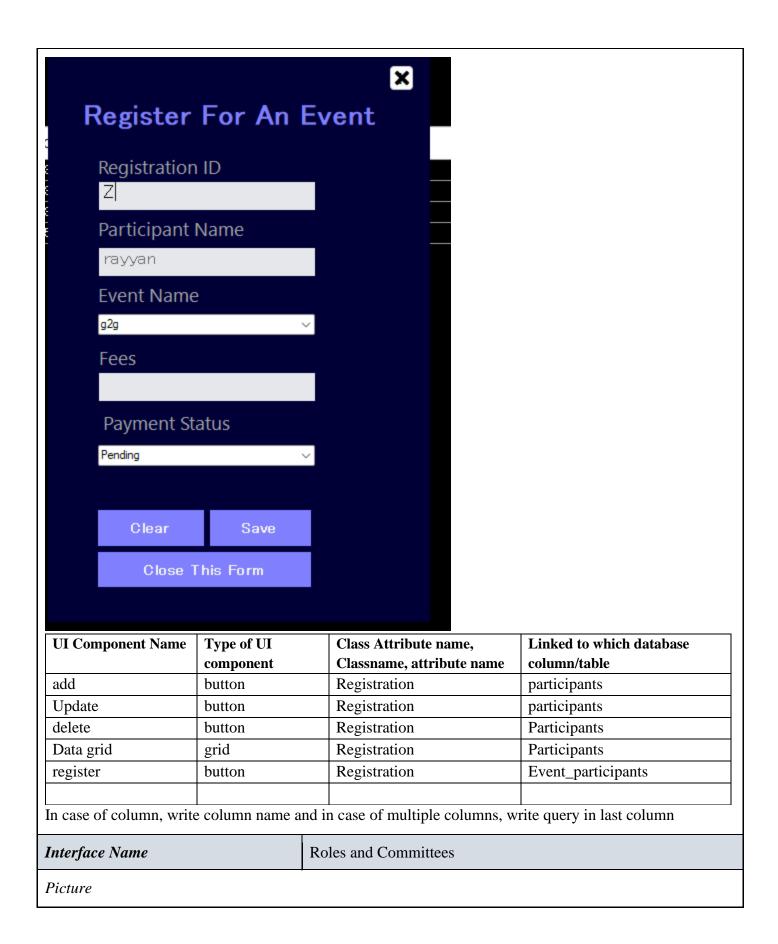




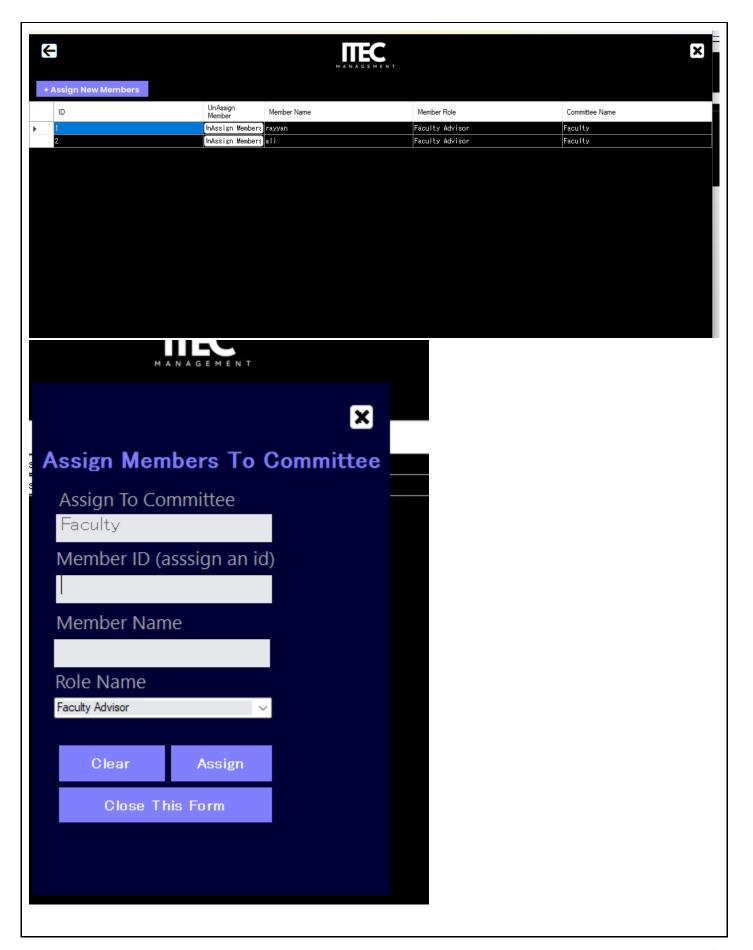


Interface Name	Participants
Picture	



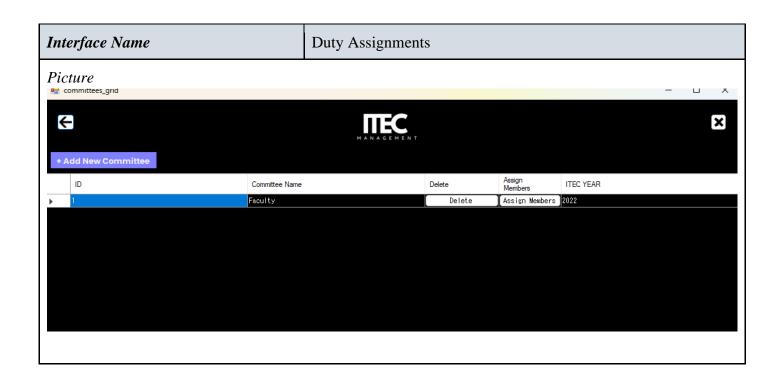




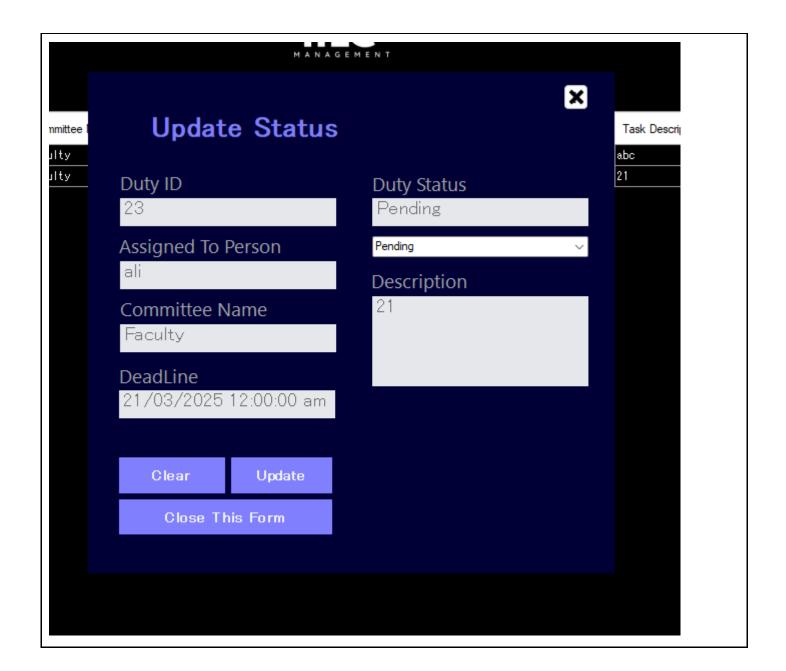


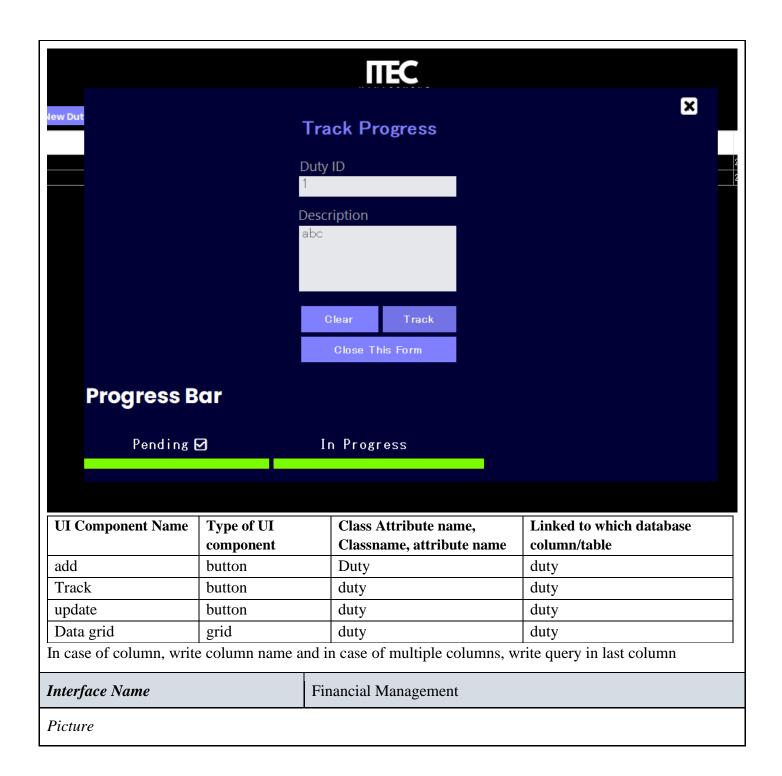
<b>UI Component Name</b>	Type of UI	Class Attribute name,	Linked to which database
	component	Classname, attribute name	column/table
add	button	committees	Committees
delete	button	committees	committees
Assign members	button	committees	Committees_members
Data grid	grid	committees	committees

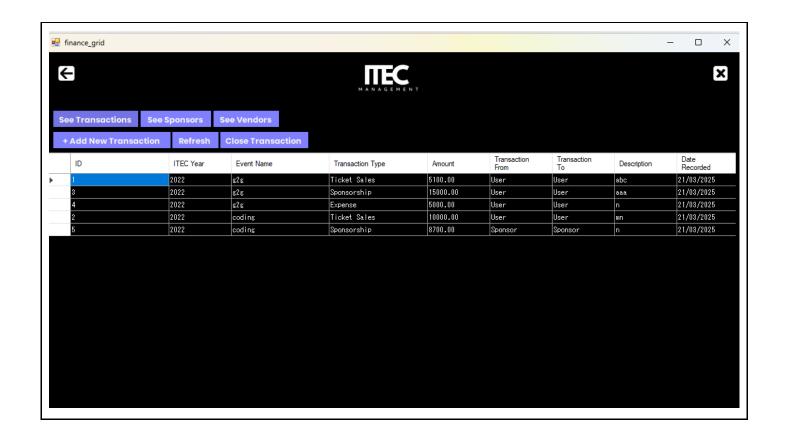
In case of column, write column name and in case of multiple columns, write query in last column







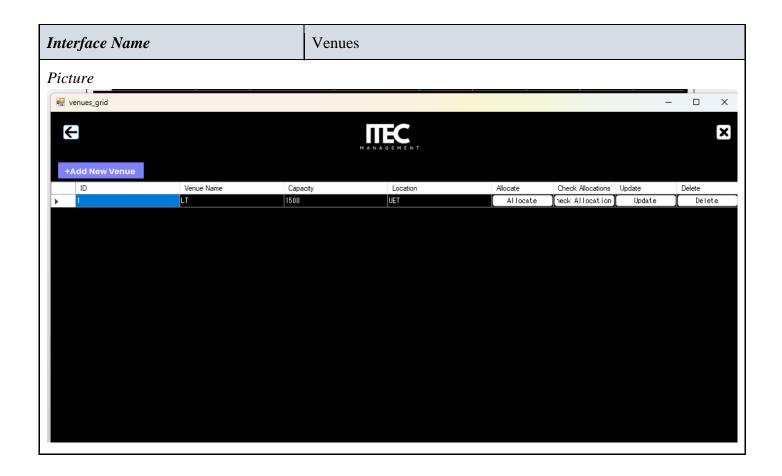






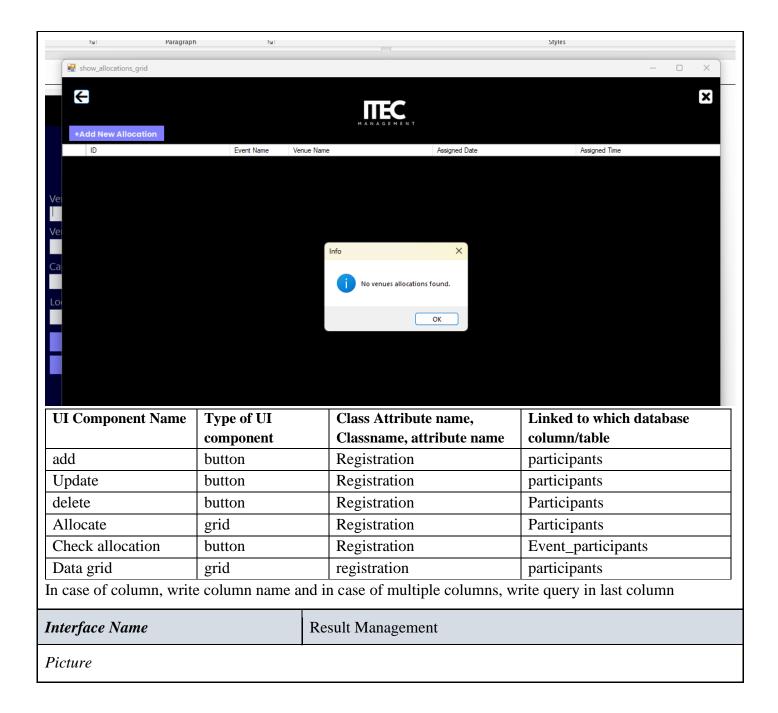
UI Component Name	Type of UI	Class Attribute name,	Linked to which database
	component	Classname, attribute name	column/table
See transactions	button	finances	finances
See sponsors	button	finances	sponsors
See vendors	button	finances	vendors
Data grid	grid	finances	Vendors
Data grid	grid	finances	Finances
Data grid	grid	finances	sponsors

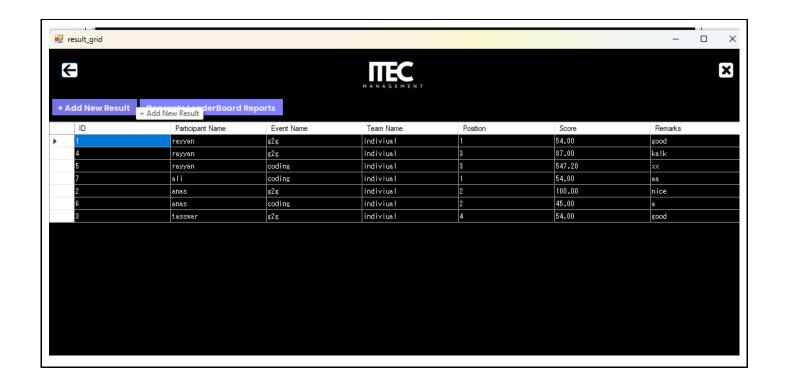
In case of column, write column name and in case of multiple columns, write query in last column

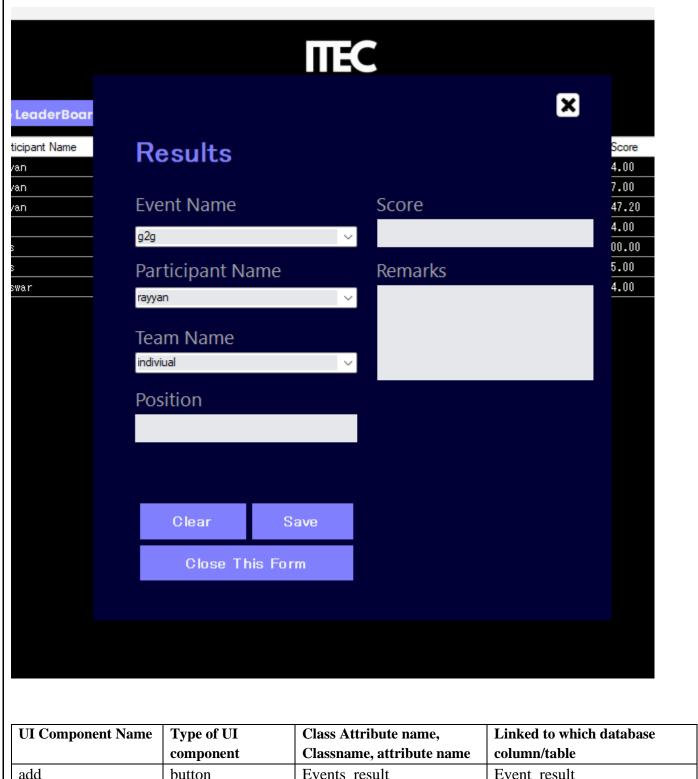






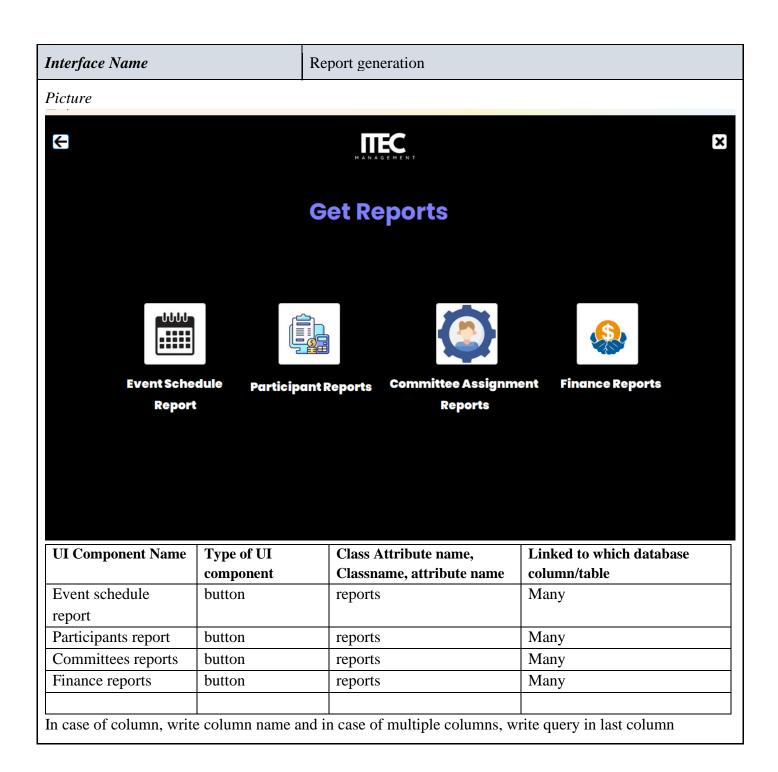




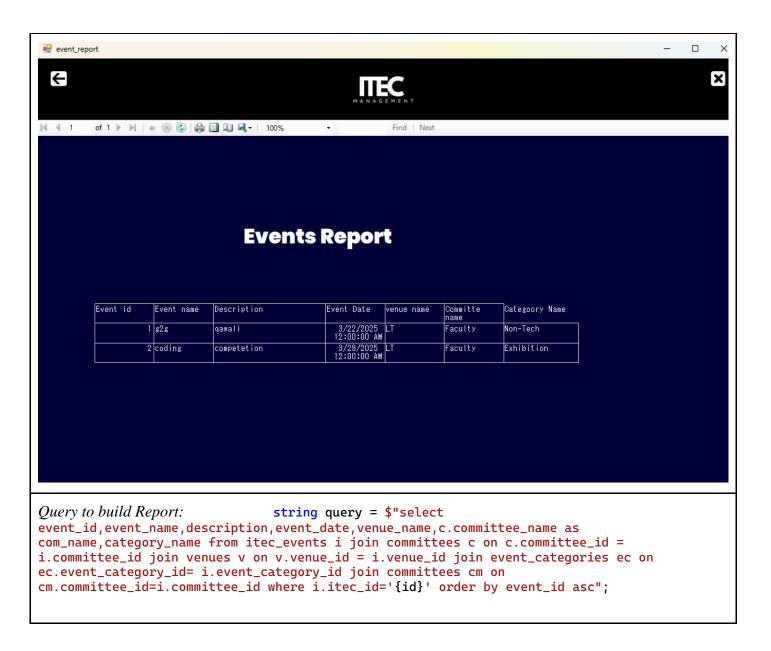


<b>UI Component Name</b>	Type of UI	Class Attribute name,	Linked to which database
	component	Classname, attribute name	column/table
add	button	Events_result	Event_result
Generate	button	Event_result	Event_result
leaderboards			
Data grid	grid	Event_result	Event_result

In case of column, write column name and in case of multiple columns, write query in last column



Business Report-1	
Business Report Name:event schedule report	
Sample of report:	



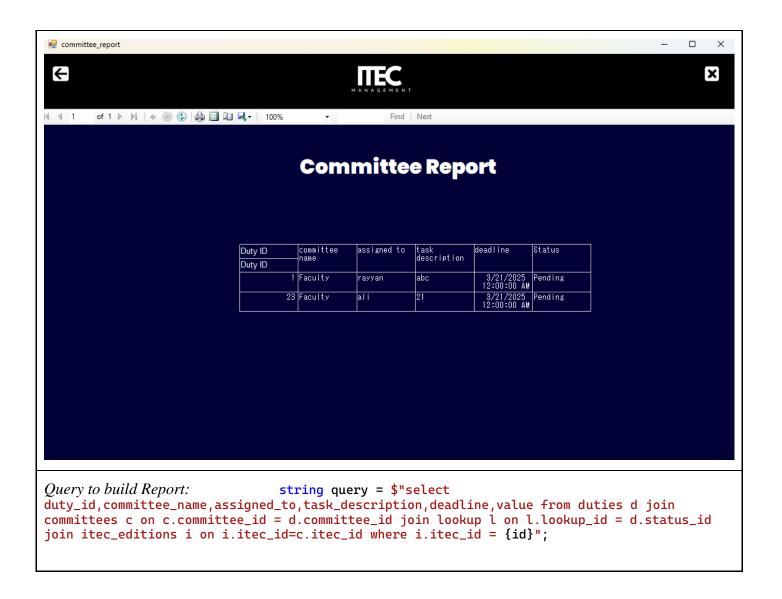
# Business Report-2 Business Report Name:participant reports Sample of report:



#### **Business Report-3**

Business Report Name: committee assignment report

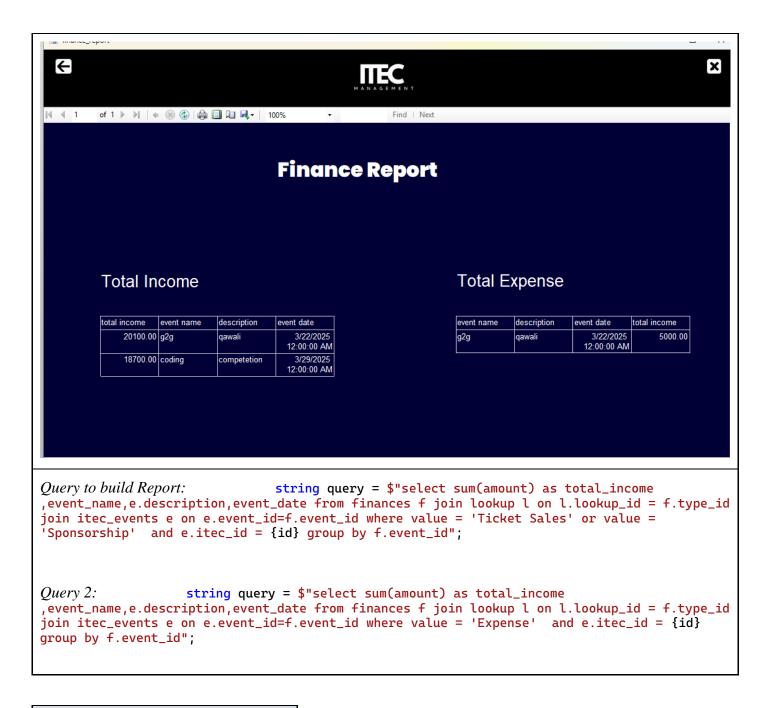
*Sample of report:* 



## **Business Report-4**

Business Report Name: finance reports

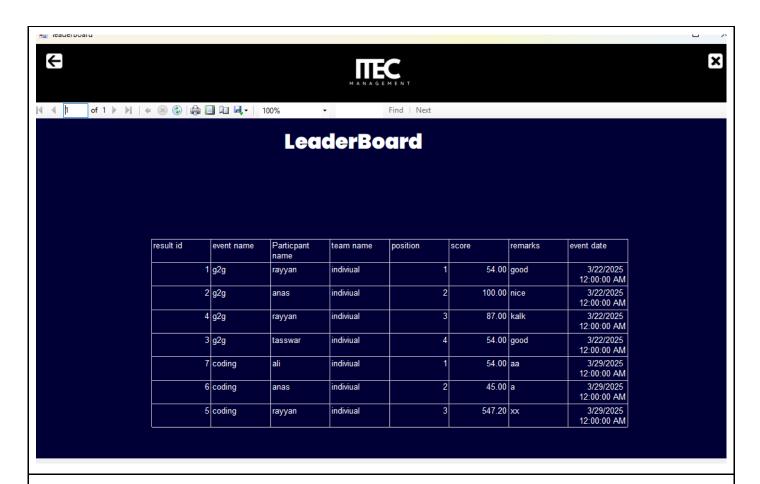
Sample of report:



#### **Business Report-5**

Business Report Name:leaderboard

*Sample of report:* 



## Query to build Report:

### string query = \$"select

result\_id,e.event\_name,p.name,t.team\_name,position,score,remarks,event\_date from event\_results r join itec\_events e on e.event\_id=r.event\_id join itec\_editions i on i.itec\_id = e.itec\_id join participants p on p.participant\_id = r.participant\_id join teams t on r.team\_id =t.team\_id where position <=10 and i.itec\_id = {id} order by r.event\_id,position asc";