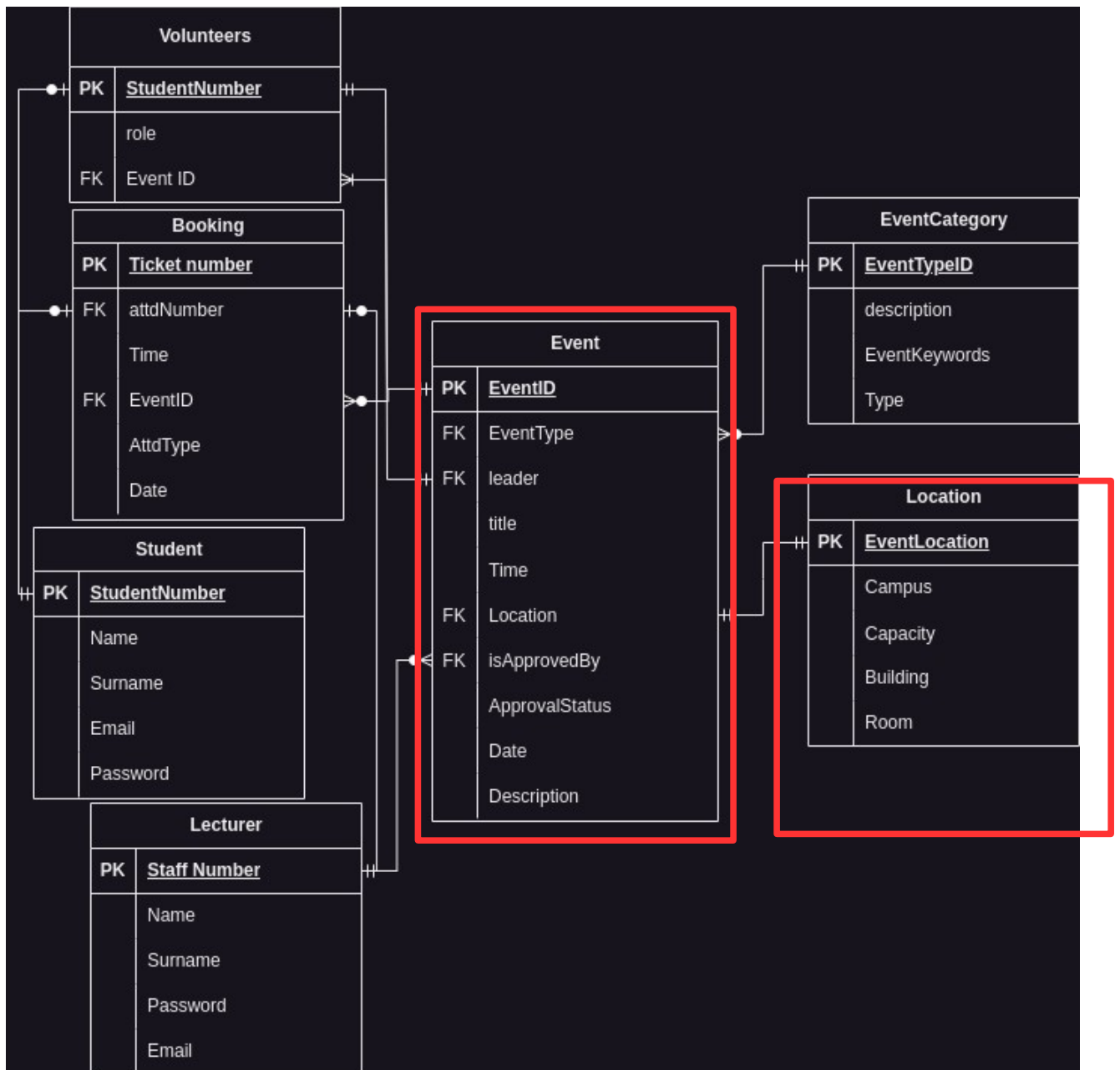Logan Coghill
Project 2 group 10

Term 2

We each have one sub-table that we are responsible for, and we decided to share the main event table as it is the biggest and requires the most work.

Location Table
I am responsible for the Location Table, this table is used to hold all the locations that events could be held at. The capacity is the amount of people that a location can accommodate. The department will help give more information to the user on how to find the event, same with Campus and Event location. The campus is the general location, then the department gives more detail. The Event location is based on the department. Only one event can be at a location at a time, this to to avoid events overlapping(multiple events cannot happen a the same time).

The types of the attributes are as follows:
- Event_Location: String(6)
- Campus: String(40)
- Department: String(40)
- Capacity: Integer
- Building: String(40)
- Room: String(40)

Event_Location	Campus	Capacity	Building	room
AMPCPT	Cape Town	200	Amphitheatre	General area
LEC119	Cape Town	60	Engineering	1.19
BELLIB	Bellville	50	Admin	Library
BSPSOA	Bellville	300	Soccer field	Field A
CPTHAL	Cape Town	150	Multi-purpose	Main hall
BSPRUB	Bellville	300	Rugby field	Field A
CAFCPT	Cape Town	100	Admin	Cafeteria
CAFBEL	Bellville	100	Admin	Cafeteria
BSPSOB	Bellville	300	Soccer Field	Field B
BELHAL	Bellville	150	Muti-purpose	Main hall

Events table

The Events table is responsible for storing all necessary information of an event created such as the type of event, the host, the name of the event, its description, time, date, location, its status of approval, and its price. We have decided that the responsibilities of this table will be shared by everyone.

The types of the attributes are as follows:

- EventID: String(8)
- EventType: String(40)
- EventLeader: Integer
- Title: String(40)
- Description: String (40)
- Time: Time
- Location: String(6)
- ApprovedBy: integer
- ApprovalStatus: boolean
- Date: date

Event_ID	EventType	EventLeader	Title	Description	Time	Location	Approved_by	Approval_Status	Date
KL35BT43	Sports	55143620	Soccer	Soccer game against rival team	15:00:00	BSPSOA	46126895	TRUE	05/10/24
EB8T386A	Education	88364793	Women in IT	Opportunities for women in IT	11:00:00	BELLIB	49656995	FALSE	06/09/23
DT5O42U5	Education	59668424	Film open-day	Show interested students what they will be learning	10:00:00	LEC119	98632595	TRUE	10/12/23
ZR8R653D	Education	92492483	Perseverance as a student	Motivational speak for students wanting to give up	12:00:00	AMPCPT	85648965	FALSE	15/09/24
FSH673CF	Art&Culture	56165189	Art Festival	Students can show off their artistic talent	19:00:00	CPTHAL	87481695	TRUE	23/07/24
NR63AWE	Agriculture	19856198	Food from around the world	Food from different cultures meet in one place	12:00:00	BELHAL	56196597	TRUE	29/05/34
HT84A53V	Sports	19563852	Rugby Friendly match	Teams of 5 only – street rules, winners get bragging right	10:00:00	BSPRUB	89651569	FALSE	18/06/23
VWI73G79	Social	18916858	First years networking	Get to know your peers in a comfortable environment	16:00:00	BELHAL	18958961	TRUE	16/10/22
NVS74K68	Art&Culture	85962926	Karaoke	Student can sing along to their favourite tunes	16:00:00	LEC119	54645188	FALSE	26/04/24
DV472MG	Social	15641568	Games day	Bring your system	17:00:00	CPTHAL	18894635	FALSE	15/09/23

				and join a LAN of peers					

student my events page

- this page provides multiple functions for the student user
  - it allows them to create an event by filling out the form on the left
  - they are able to see the events that they have booked tickets to.
  - They can see the event they created and its status for approval.

Location table

The location table come into play during the create event process. You will see a combo-box for location. A request is made to the database for all the available locations. The locations are fixed and cannot be changed from the application. One event can occupy a location at a time, this means once a event is booked for a location it will not show up for other users to choose.

Events table

This is where new events get created, once a user fills out the form on the left it creates the record within the event table.

Student Live events page

- students will be able to see all events that have been approved. This makes a request to the events table for all events that have already been approved.
- they can click on an event, this will bring up the full details on the right. They are then able to book a ticket with the attend button.

Lecturer pending events page

- this page show the lecturer all the events that need approval. This is done through the events table
- Once they click on an event the details will show up on the right, and they can choose to approve or deny the event. If approved it will change the boolean value in the table and send it to the live page, if denied the student will be notified that that the event will be deleted

Lecturer live events page

- this page works the same as the students live events page, this is provided by the events table
- the only difference is lecturers can see their booked events here also.

Business Rules

1. New users must register.
2. They can only register if they have a student/staff number.
3. A student can become a volunteer.
4. An event can have multiple volunteers.
5. A Student can be a volunteer for multiple events
6. A student can be the leader to one active event at a time
7. A Student/Lecturer can book attendance to an live/approved event.
8. An event can have multiple bookings.
9. A Student/Lecture can only book one ticket to an event.
10. They can book to multiple events
11. A lecturer can approve or deny multiple events.
12. If event is denied student can create a new event.
13. A student can edit the event if its pending.
14. They cannot edit if its approved,
15. An event can only be one type, many events can be the same type.
16. An event must be held at a location.
17. Only one location can have an event at a time.
18. Students/lecturer can request password change if forgotten.
19. Students are not charged for booking.
20. Booking must be made 7 days before event occurs.

Reflection

our project is well on its way, with most of the design and functional constraints worked out we have a clear understanding of the development path that needs to be taken.

During this phase we complete the database design. This had its fair share of issues as we needed to change it a few times, this was to make sure that information throughout the database had the proper relationships. We took our time and made sure that the ERD held all the information we needed for processing inputs and providing proper outputs.

We also completed our wire-frames. We made sure it has easy navigation so that there wont be a steep leaning curve for

users. With multiple design laws taken into consideration, we believe we designed a simple application that fulfils the needs of our users. As this is an internal application we designed to stick to a CPUT themed application.

With all the planning now done we are ready to start building the application. We are already working on the base application that all team members will be working on. We are in the process of creating all the pages and classes that are needed, when that is done we will divide all function that need to be codded amongst the team.