Phase 3

Peer Connections

ISSUED BY
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Habeel Mumtaz

UC5 Add to calendar/schedule

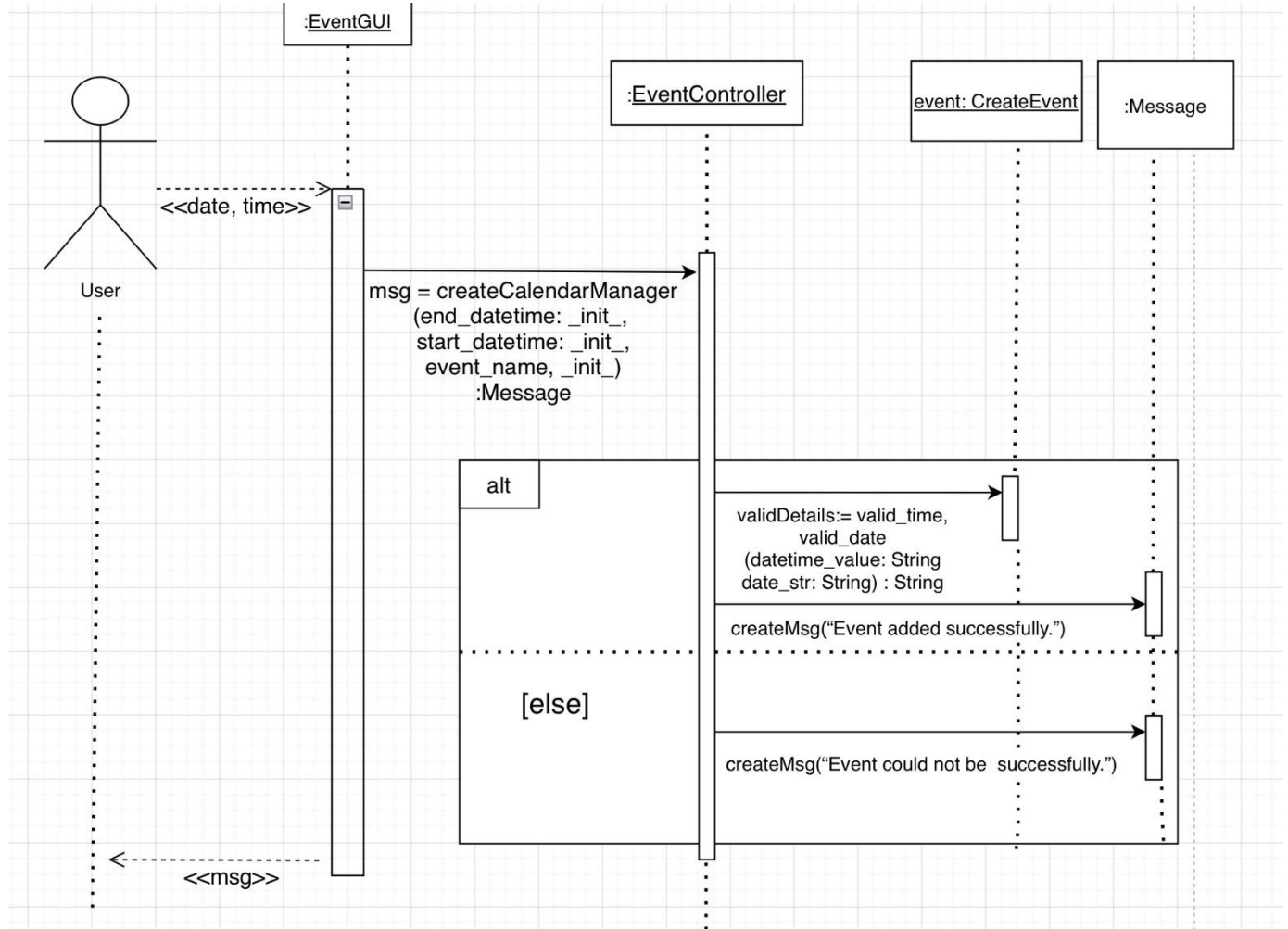## Test Case Generation

Test Case	Date	Time	Expected Outcome
1	Valid	Valid	Show event added successfully
2	Valid	Invalid	Show error message
3	Valid	Exceptional	Show error: event overlaps with a previous scheduled event.
4	Invalid	Valid	Show error message
5	Exceptional	Valid	Show error message

Test Case Scenarios

Test Case	Date	Time	Expected Results
1	"02-24-2024"	"11am - 1pm"	Show event added successfully
2	"02-25-2024"	"11:70am - 1pm"	Show error message
3	"02-25-2024" & "02-25-2024"	"11am - 1pm" & "12pm - 1pm"	Show error: event overlaps with a previous scheduled event.
4	"02-25-2015"	"4pm-5pm"	Show error message
5	"/123/ff/87/3242"	"8am - 10am"	Show error message

Design Sequence Diagram

:EventGUI

:EventController

event: CreateEvent

:Message

User

<<date, time>>

msg = createCalendarManager
(end_datetime: _init_,
start_datetime: _init_,
event_name, _init_)
:Message

alt

validDetails:= valid_time,
valid_date
(datetime_value: String
date_str: String) : String

createMsg("Event added successfully.")

[else]

createMsg("Event could not be successfully.")

<<msg>>

Akhil Penmetsa
Search by Course Number
Test Case Generation

Test Case	Course Number	Expected Outcome
1	Valid	Show the course number that exists in the database
2	Invalid	Show error message
3	Exceptional	Show error message: Unable to perform search
4	Exceptional	Show error message: Course number exceeds maximum length
5	Invalid	Show error message: Invalid input format

Test Case Scenarios

Test Case	Course Number	Expected Outcome
1	"Y"	Show the course number that exists in the database
2	"N"	Show error message
3	Exceptional	Show error message: Unable to perform search
4	"CS 34546" (beyond max length)	Show error message: Course number exceeds maximum length.
5	"sv!-1252"	Show error message: Invalid Format

Design Sequence Diagram

Course_Number GUI

Course_Number Contoller

Course_Number Length

Message

<< Search Course Number>>

msg=search Valid course number:Message

alt

ValidDetails ValidCourseNumber,validCharacter:message

[True] createMsg("course number that exists in the database")

[False] createMsg("Show Error Message")

User

<<msg>>
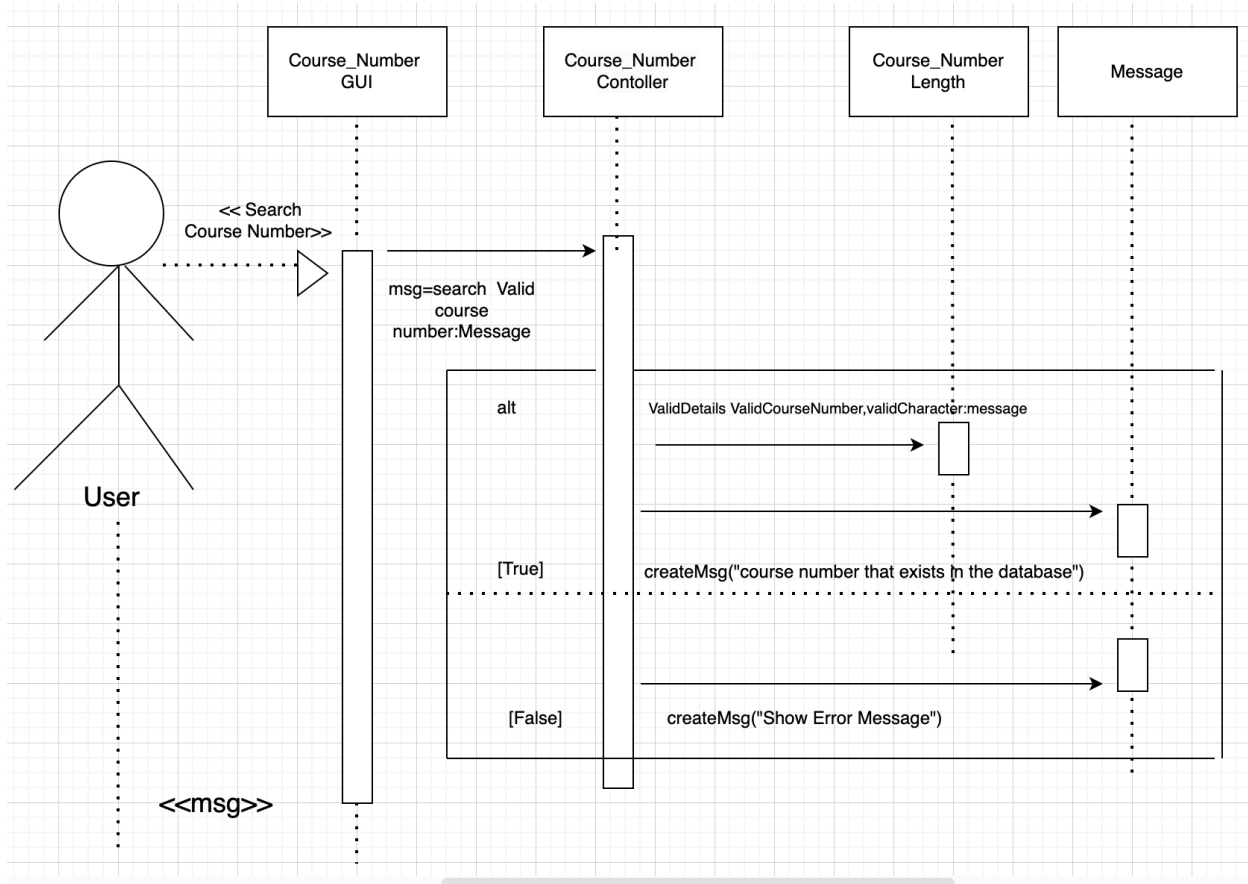
Zainab Olaleye

UC3 Create Group

Test Case Generation

Test Case	Group Name	Group Description	Expected Outcome
1	Valid	Valid	Notify User- Group Created
2	Valid	Invalid	Show error – Invalid Group description
3	Valid	Exceptional	Show error – Group name Exception
4	Invalid	Valid	Show error – Invalid Group name
5	Invalid	Invalid	
6	Invalid	Exceptional	
7	Exceptional	Valid	Show error – Group name exception
8	Exceptional	Invalid	
9	Exceptional	Exceptional	

Test Cases

Test Case	Group Name	Group Description	Expected Outcome
1	"CS 3354"	"Study for CS 3354 class"	Notify User- Group Created
2	"CS 3354"	"."	Show error – Invalid Group description
3	"CS 3354"		Show error – "Please fill in field"
4	"."	"Study for CS 3354 class"	Show error – Invalid Group name
7		"Study for CS 3354 class"	Show error – "Please fill in field"

Design Sequence Diagram
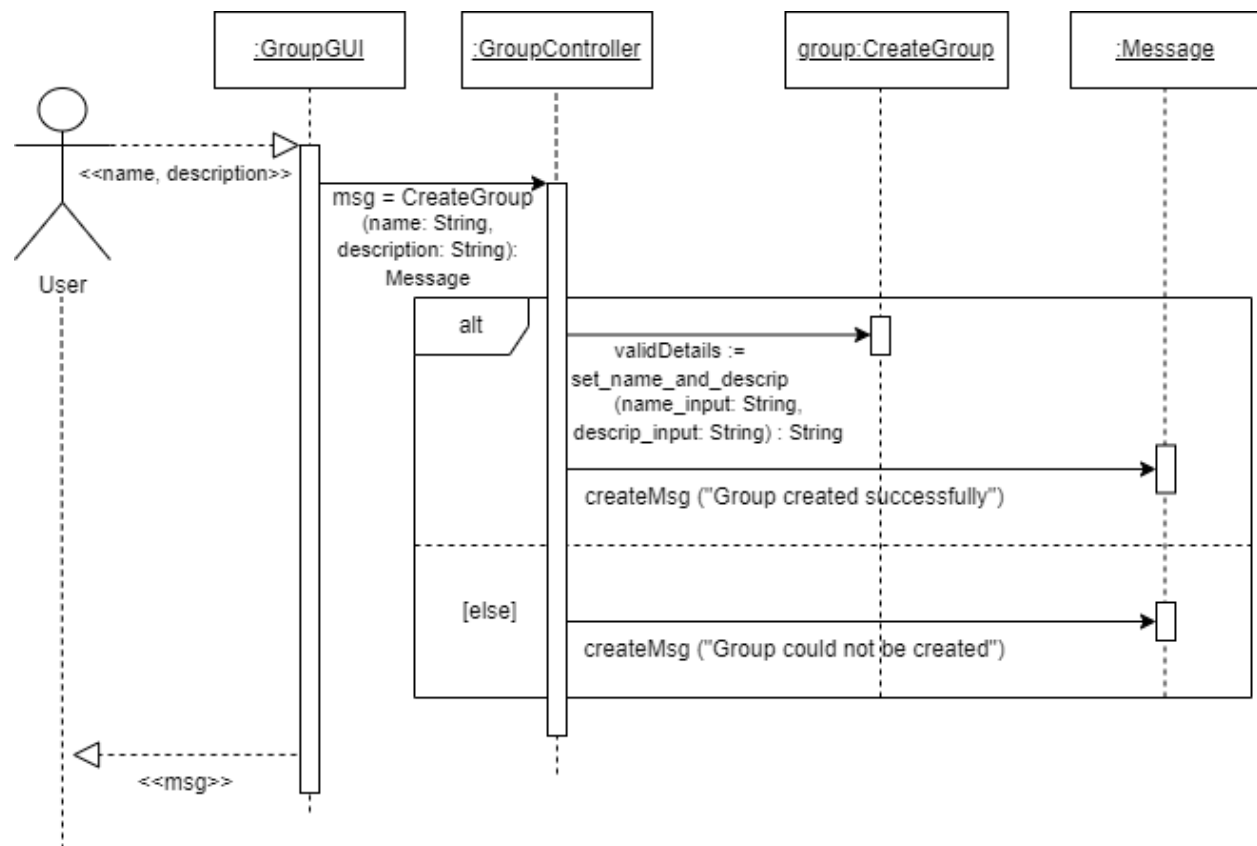
Dagmawet Zemedkun

UC1: User signs up by linking their school email to the app

Test Case Generation

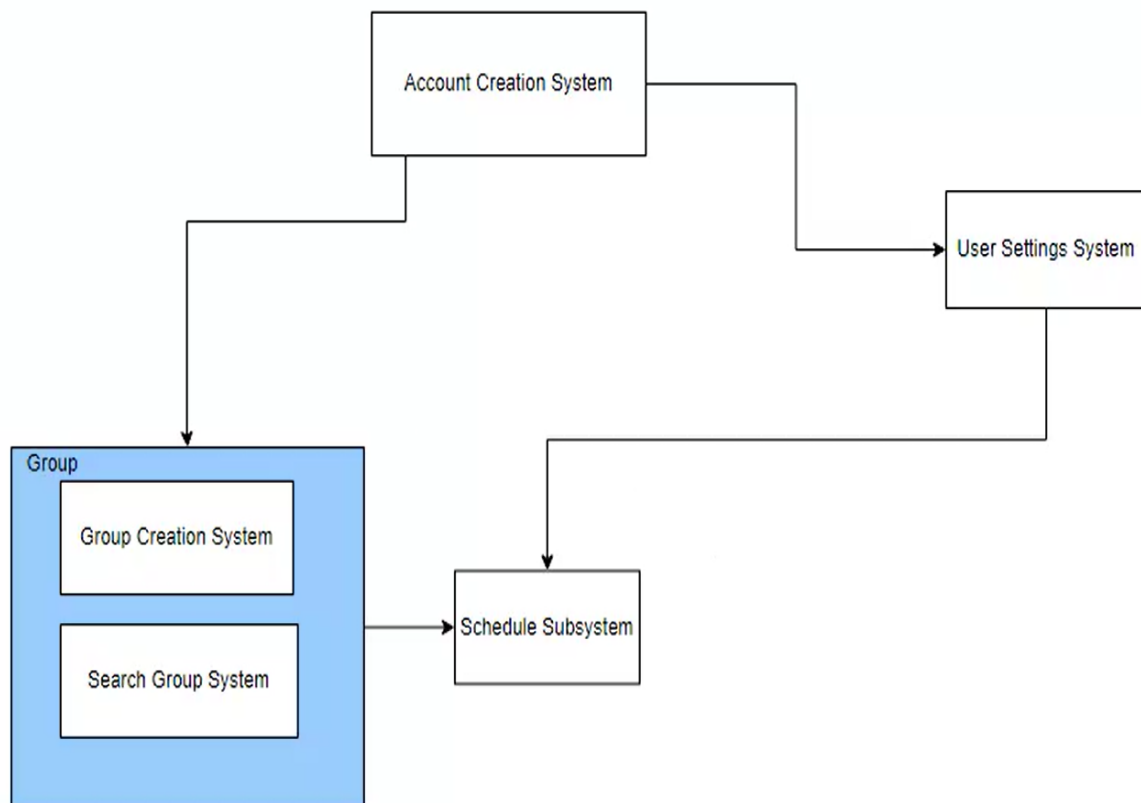| Testcase	UTD Id	Password	Expected Outcome
1	Valid	Valid	Successfully signed in
2	Valid	Invalid	Error message "Account with provided input not found"
3	Valid	Exception	Error message "Fill in all fields"
4	Invalid	Valid	Error message "Account with provided input not found"
5	Invalid	Exception	Error message "Fill in all fields"
6	Invalid	Invalid	Error message "Account with provided input not found"
7	Exception	Valid	Error message "Fill in all fields"
8	Exception	Invalid	Error message "Fill in all fields"
9	Exception	Exception	Error message "Fill in all fields"

Test Cases

Testcases	UTD Id	Password	Expected Result
1	"UTD123456"	"CorrectPassword"	Display Successful sign in
2	"UTD123456"	"IncorrectPassword"	Display error message : account not found
3	"UTD123456"		Display error message : empty fields
6	"UnknownID"	"IncorrectPassword"	Display error message : account not found
9			Display error message : empty fields

Design Sequence Diagram
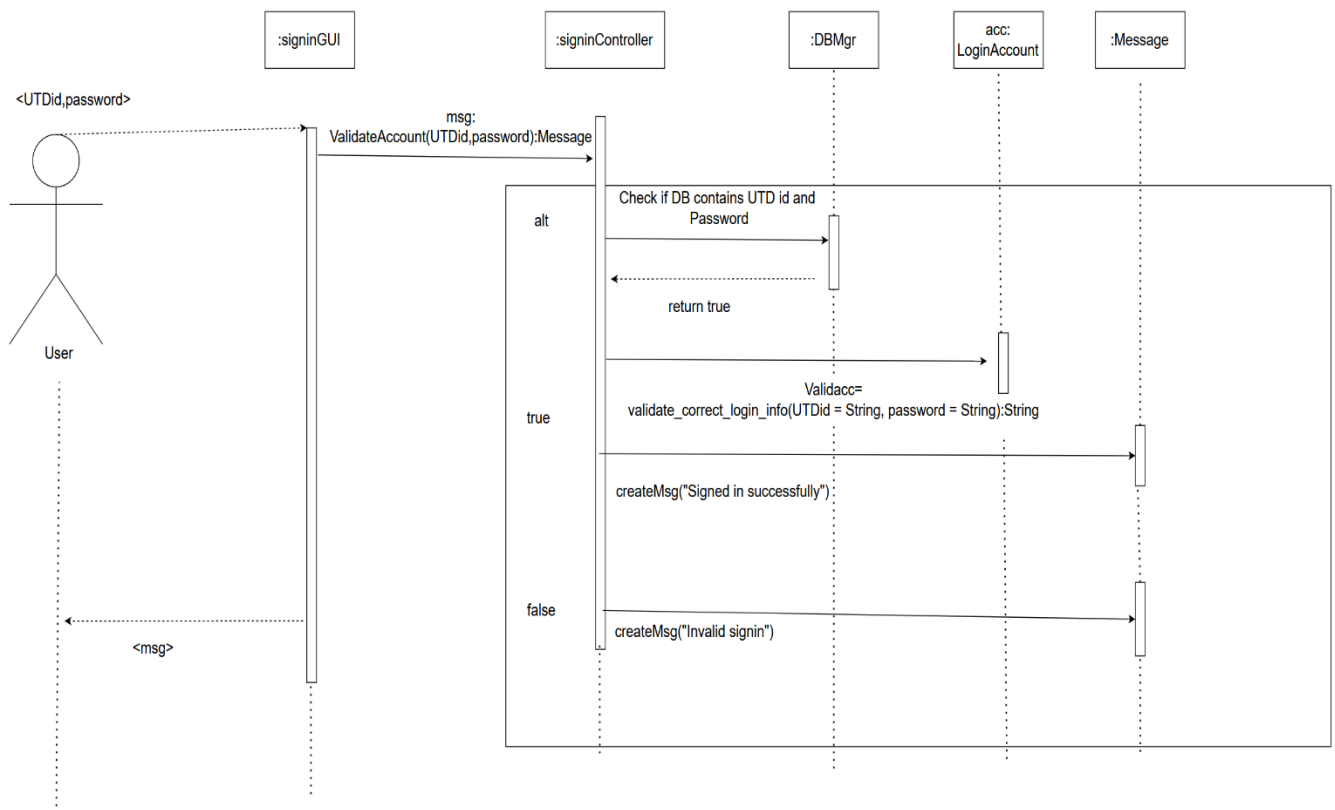
Context/Concept Diagram

Created by: Habeel Mumtaz and Dagmawet Zemedkun

UML Class Diagram

Created by: Akhil Penmetsa and Zainab Olaleye

Groups

- name
- description
- private or public
- invite

Users

- id
- email
- name

Search

- Course
- Professor
- group name
- peers name

Profile

- id
- name
- description
- courses
- availability status

creates ▲ *

1 contains ▼ *

required to access ▶

1 *

creates ▼ *

contains ▲

1..* 1..*