Object Oriented Software Engineering
Course: CSE-3311-001
Professor: David Kung
Team 1: Avijeet Adhikari, Sohaib Siddiqui, Abhinaw Shahi,Jeevan Gyawali,
        Subhechha Shrestha

The National Trade Show Services Business Description

David Kung, The University of Texas at Arlington

March 05, 2020

Scenarios

UC1: Create Online Account

1. New users will enter their credentials for a new account and click the create account button.

1.1. Signup GUI checks with the signup controller using the user's submitted information.

1.2. SignUp controller creates blank msg.

1.3. Signup controller sends user info to the DataBase Manager(DBMgr) to confirm required fields.

1.3.1. **If** no error is found in input.

1.3.1.1.   SignUp Controller creates Account (a) object using user info and password return success confirmation status to signup controller.

1.3.1.2.   Signup Controller saves the Account object with DBMgr.

1.3.1.3.   Signup controller appends "account created successfully" message to msg.

1.3.2. **else,**

1.3.2.1.   SignUp Controller appends "Failed to create" message to msg.

1.4. DBMgr returns confirmation msg to SignUpController.

1.5. SignUp Controller returns msg to Sign Up GUI.

1.6. Signup GUI displays a message to New user.

UC2: Login

2. User enters the username and password in the LogInGUI and clicks on the login button.

2.1. LogInGUI checks the username's format with LogInController.

2.2. If the username format is incorrect LogInController displays "Try again" message to

the user

2.3. If the format of username is correct LogInController searches for the given userinfo in DBMgr

2.4. If a user is found,DBMgr returns the user object to the LoginController.

2.5. If user is not found in the DBMgr, it appends "username or password" incorrect message to user

2.6. If a user is found LoginController displays the userinfo to LoginGUI.

UC3: Submit Event Proposal

3. System checks possible error like time and location collision, displays successful message if no error detected.

3.1. Submission GUI checks with submit controller using the time and location provided by event organizer.

3.2. The submission controller creates a blank msg.

3.3. Submission controller sends the time and location information to Database Manager to check for similar events for collision.

3.4. DBMgr returns query of similar events to the submission controller.

3.5. If event at same time or location exists (event1.time == event2.time or event1.location == event2.time)

   3.5.1 the submission controller writes "event creation unsuccessful" to msg.

3.6. else,

   3.6.1 the submission controller writes "event creation successful" to msg.

3.7. The submission controller returns a message to submission GUI.

3.8. Submission GUI displays a message to the event organizer.

UC4: Evaluate Event Proposal

4. System opens up the selected proposal if no error is found.

4.1. Evaluation GUI checks with the evaluation controller using the selected proposal name.

4.2. The Evaluation controller checks with the Database Manager if the proposal exists.

4.3. Database Manager returns the requested proposal to the evaluation controller.

4.4. If the proposal exists (i.e p != null)

4.4.1. the evaluation controller returns the proposal to evaluation GUI for display.

4.5 else

4.5.1. The evaluation controller appends "proposal not found" to message.

4.6. GUI displays the suitable response to the NTSS staff .

4.6.1. If proposal found found successfully

4.6.1.1. Evaluation GUI displays the proposal to the NTSS staff.

4.6.2. else

4.6.2.1 Evaluation GUI displays the "proposal not found" message to NTSS staff.

Scenario Table

UC1: Create Online Account

#	Subject	Subject Action	Other Data/Objects	Object Acted Upon
1.	New User	enter	credentials	Signup GUI
1.1	Signup GUI	checks with	User's submitted information	Signup controller
1.2.	Signup controller	creates		msg
1.3.	Signup controller	sends	user info	DBMgr
1.3.1	If no error is found			
1.3.1.1.	Signup controller	creates	using user info and password	Account
1.3.1.2.	Signup controller	saves	Account	DBMgr
1.3.1.3.	Signup controller	appends	"account created Successfully"	msg
1.3.2.	else,			
1.3.2.1.	Signup controller	appends	"Failed to Create"	msg
1.4.	DBMgr	returns	confirmation msg	signup controller

#	Subject			
1.5.	Signup controller	returns	message	Signup GUI
1.6.	Signup GUI	displays	msg	New User

UC2: Login

#	Subject	Subject Action	Other Data/Objects	Object Acted Upon
2.	User	enters	user's username and password	Login GUI
2.1	LoginGUI	checks	user's username's format	LoginController.
2.2	LoginGUI	appends	" Try again" message	msg
2.3	Login controller	searches	user's username and password	Database Manager.
2.4	Database manager	returns	user object	Login controller
2.5	Database manager	appends	"username or password incorrect" message	msg
2.6	LoginController	displays	user home screen	LogInGUI

UC3: Submit Event Proposal

#	Subject	Subject Action	Other Data/Objects	Object Acted Upon
3.1	Submission GUI	checks with	time and location provided by the event organizer.	submission controller using the
3.2	Submission controller	creates		msg
3.3	Submission controller	sends	the time and location information	Database Manager
3.4	Database Manager	returns	query of similar events	submission controller.
3.5	If event at same time or location exists (event1.time == event2.time or event1.location == event2.time)			
3.5.1	Submission controller	writes	"event creation unsuccessful"	message
3.6	else,			
3.6.1	Submission controller	writes	"event creation successful"	message
3.7	The submission controller	returns	message	submission GUI.
3.8	Submission GUI	displays	message	event organizer

UC4: Evaluate Event Proposal

#	Subject	Subject Action	Other Data/Objects	Object Acted Upon
4.1.	Evaluation GUI	checks with	evaluated proposal name	evaluation controller
4.2.	evaluation controller	checks with	proposal	DBMgr
4.3.	Database Manager	returns	requested proposal	evaluation controller
4.4.	If the proposal exists (i.e p != null)			
4.4.1.	evaluation controller	returns	proposal	evaluation GUI
4.5.	else,			
4.5.1	Evaluation controller	appends	"proposal not found"	message
4.6.	Evaluation GUI	displays	the suitable response	NTSS staff
4.6.1.	If proposal found found successfully			
4.6.1.1.	Evaluation GUI	displays	the proposal	NTSS staff
4.6.2.	else,			

	Evaluation GUI	displays	message	NTSS staff.
4.6.2.1.				

Informal Sequence Diagram

UC1: Create Online Account
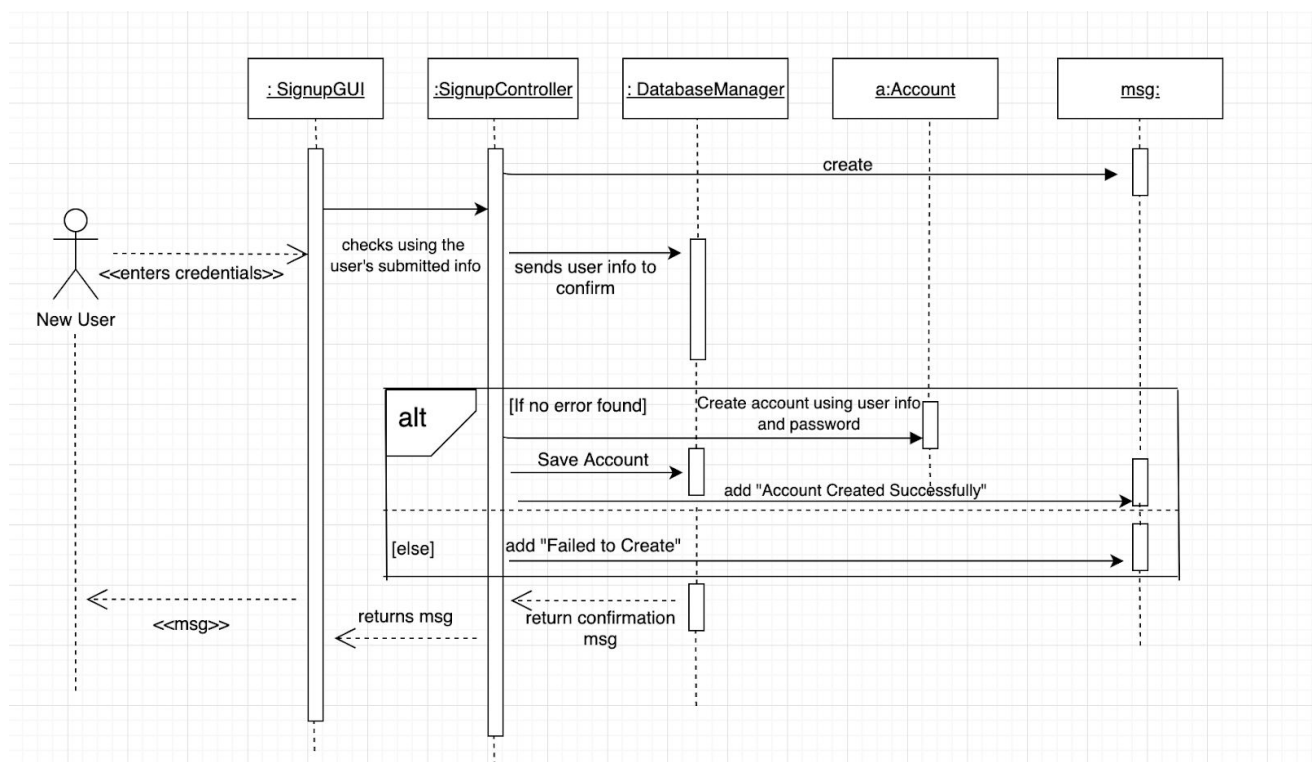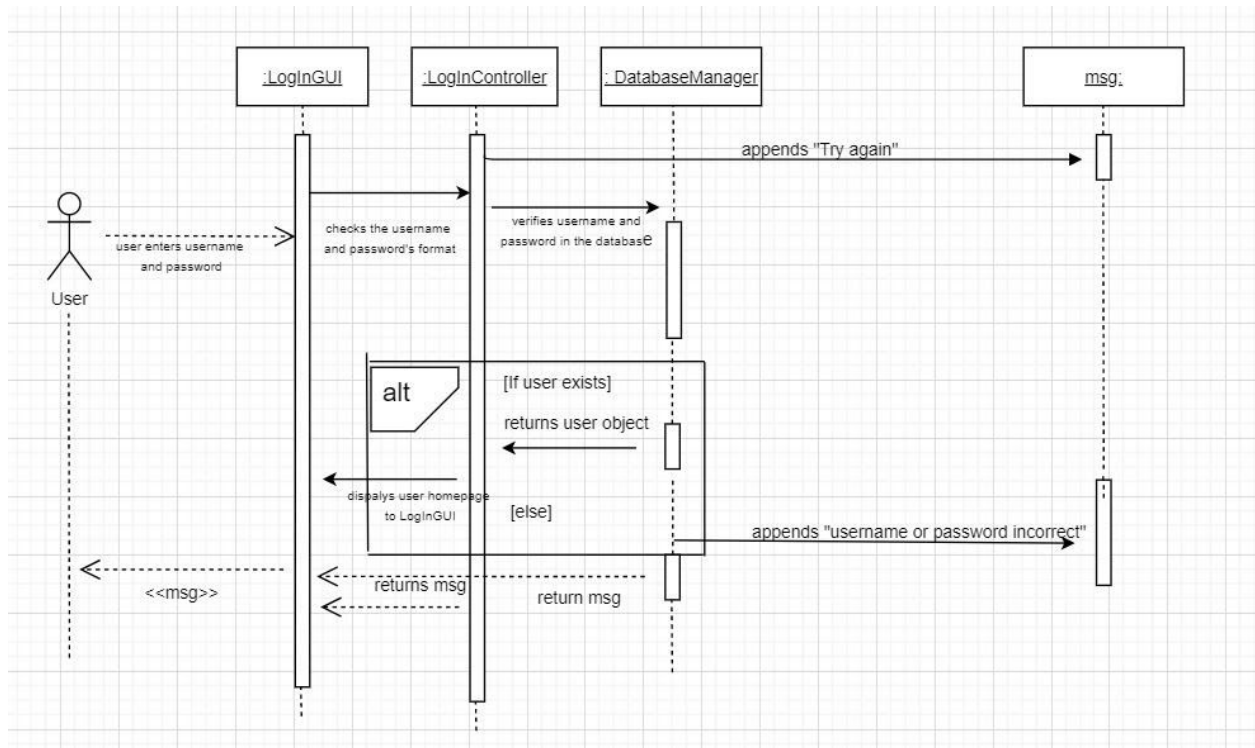
UC2: Login

UC3: Submit Event Proposal

UC4: Evaluate Event Proposal

Formal Sequence Diagram

UC1: Create Online Account

UC 2. Login
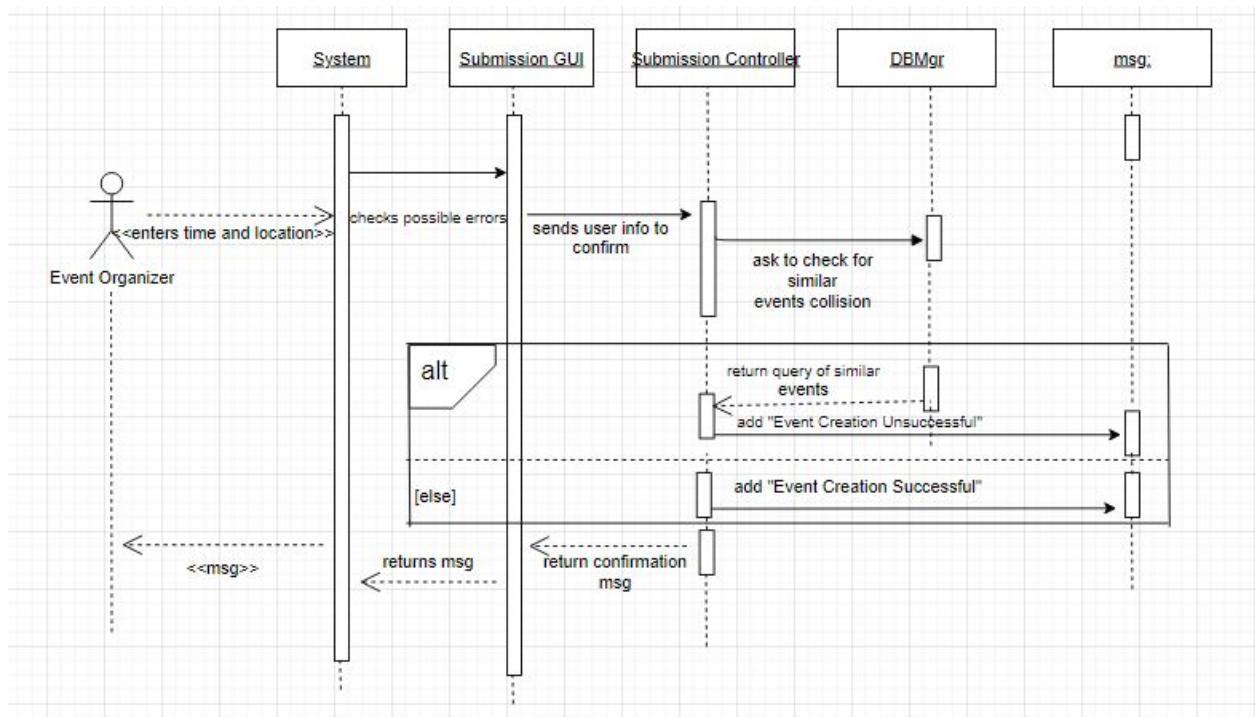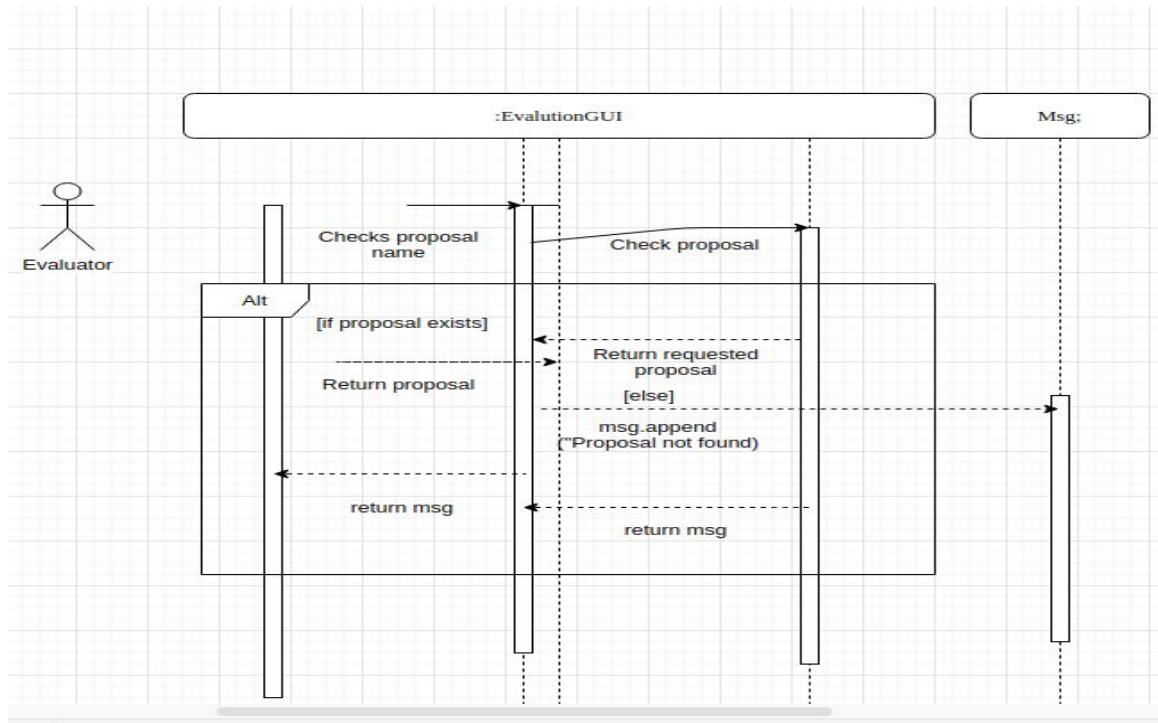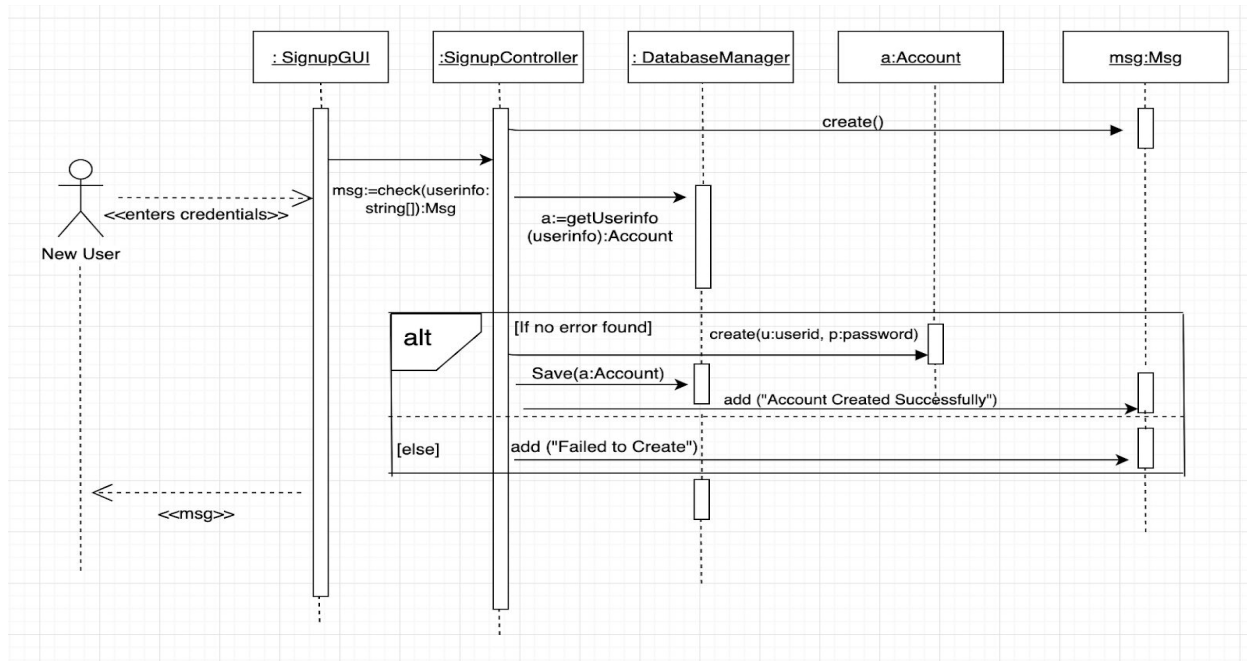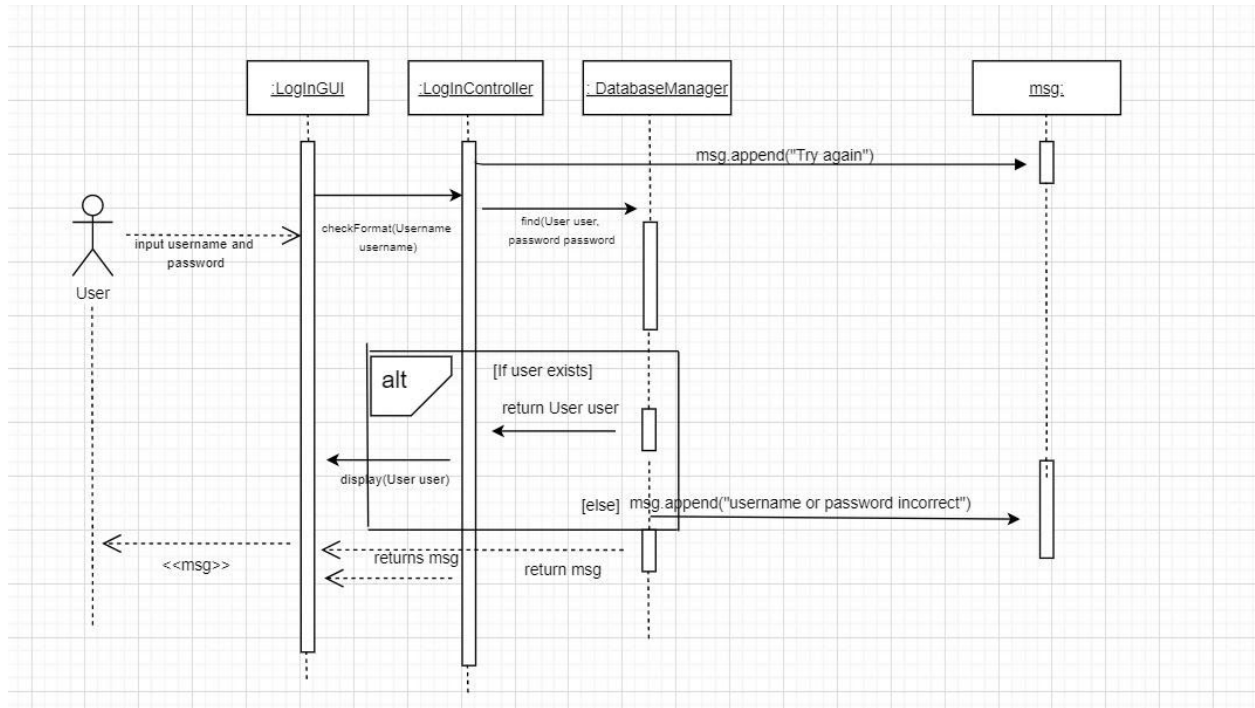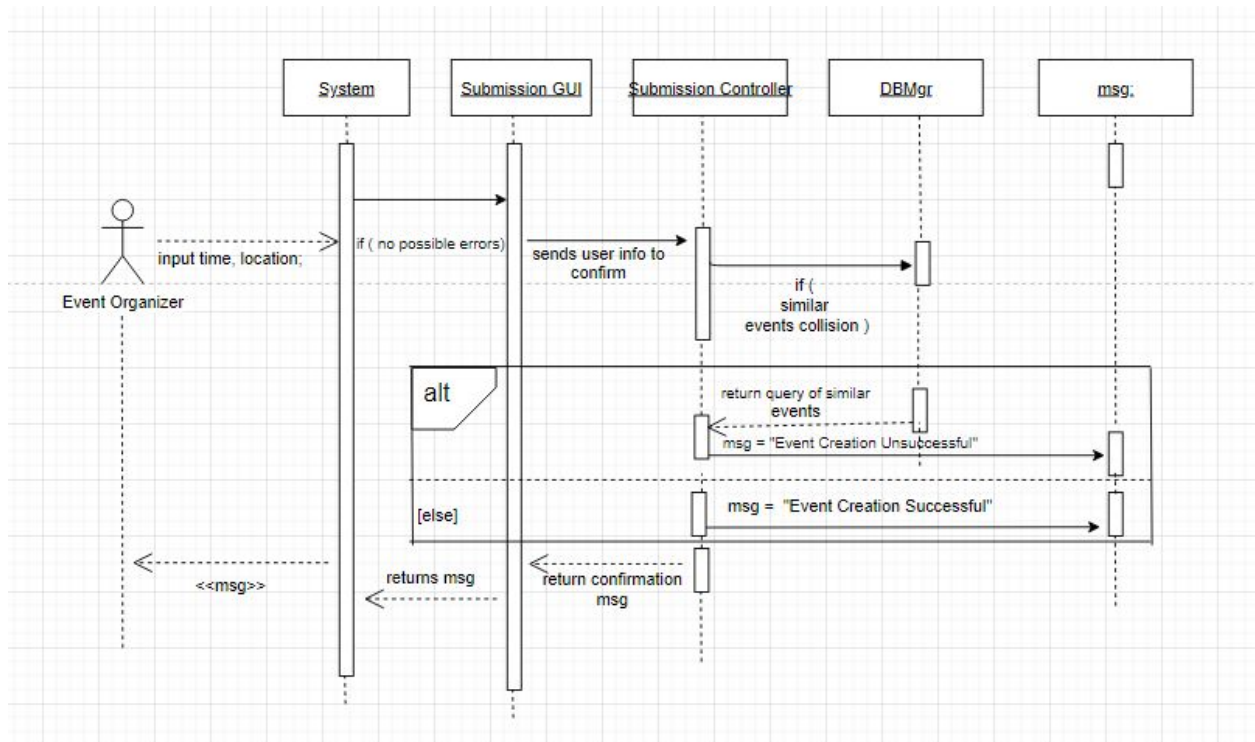

UC3: Submit Event Proposal

UC4: Evaluate Event Proposal