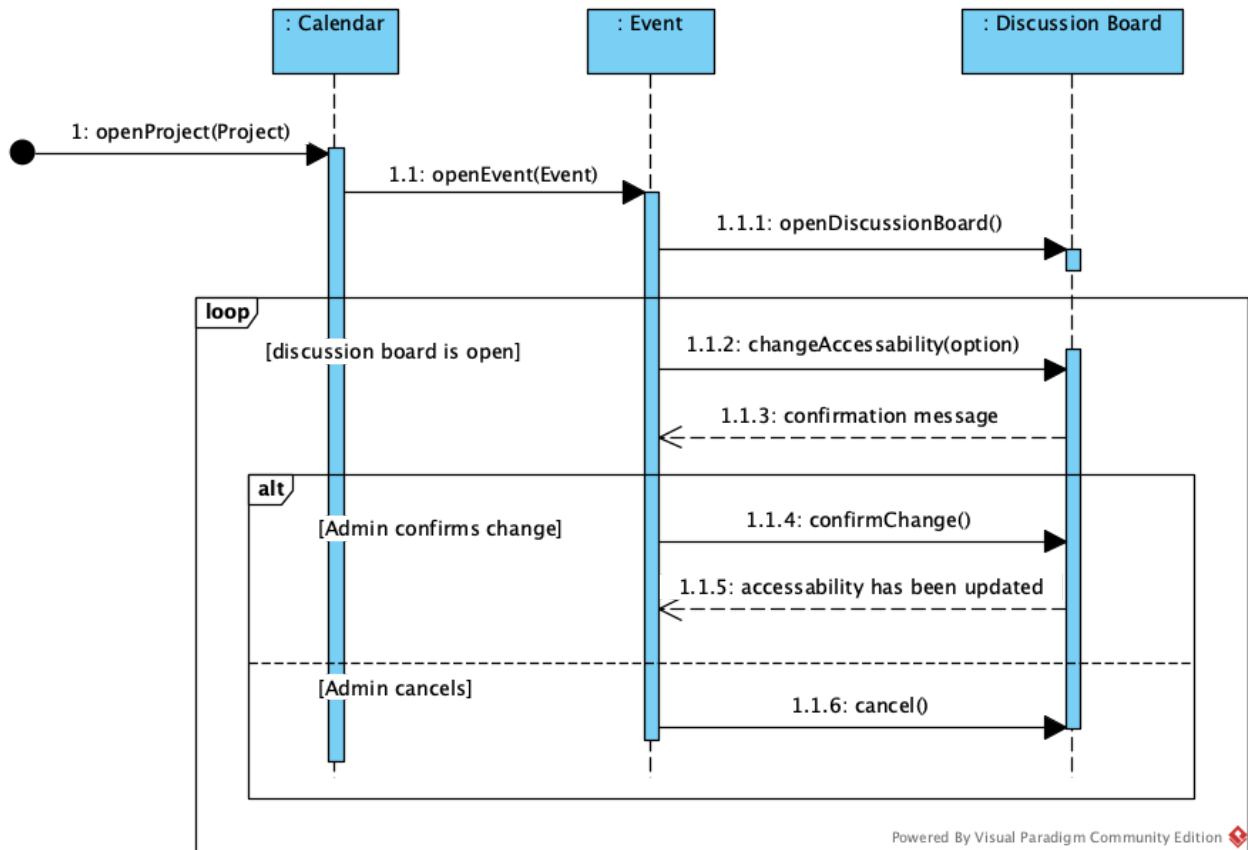
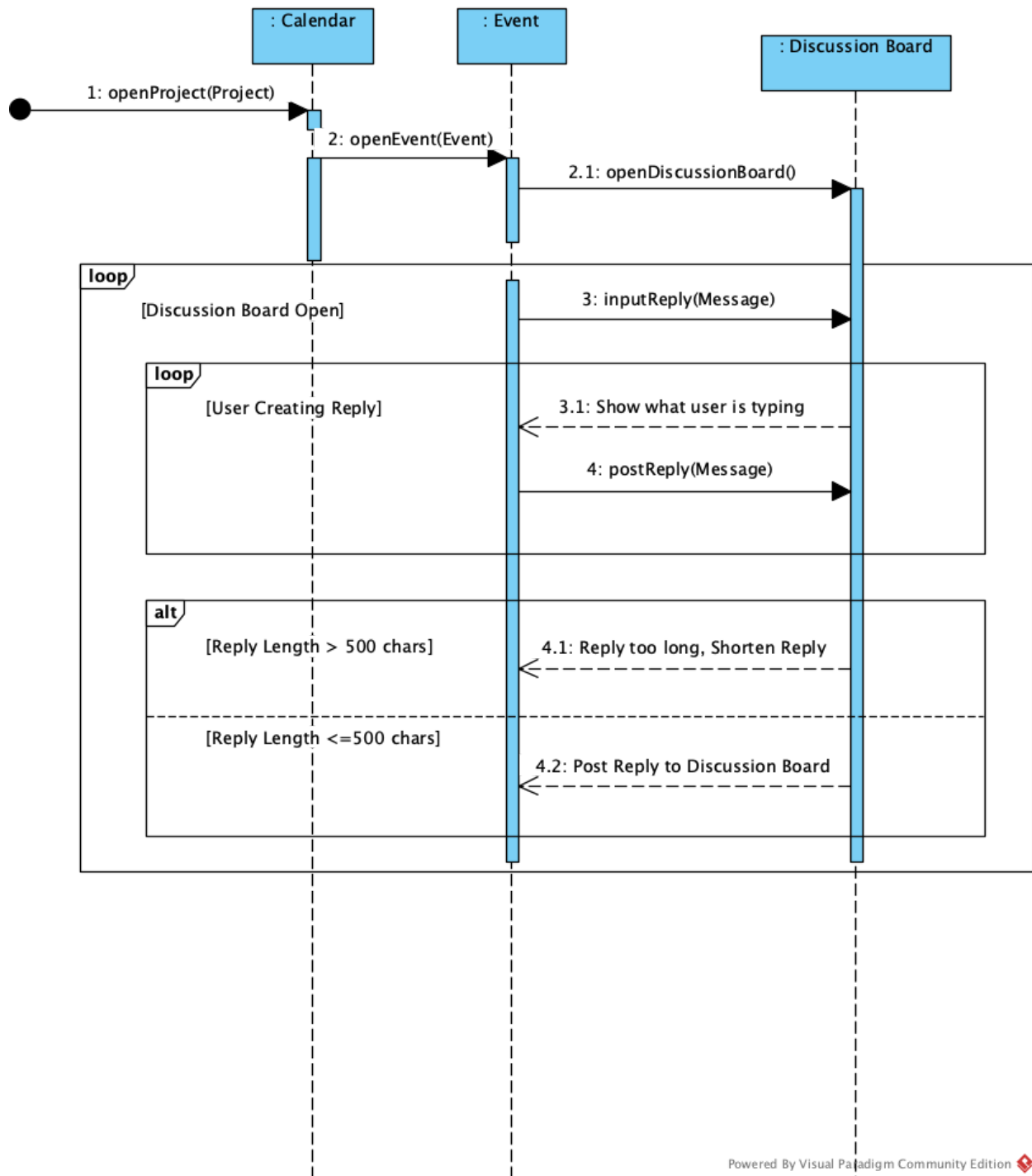


## SD

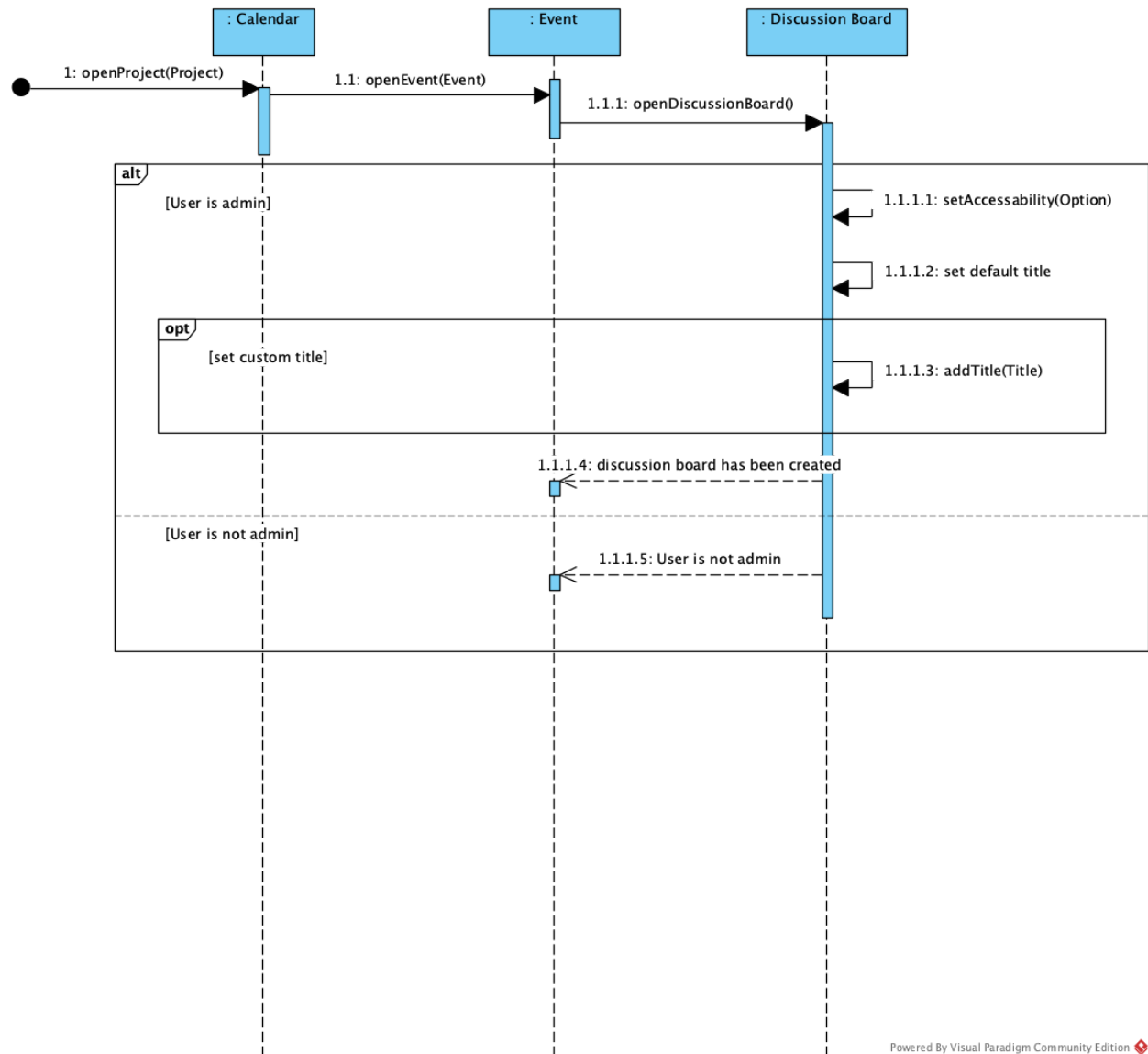
### Change Discussion Board Status



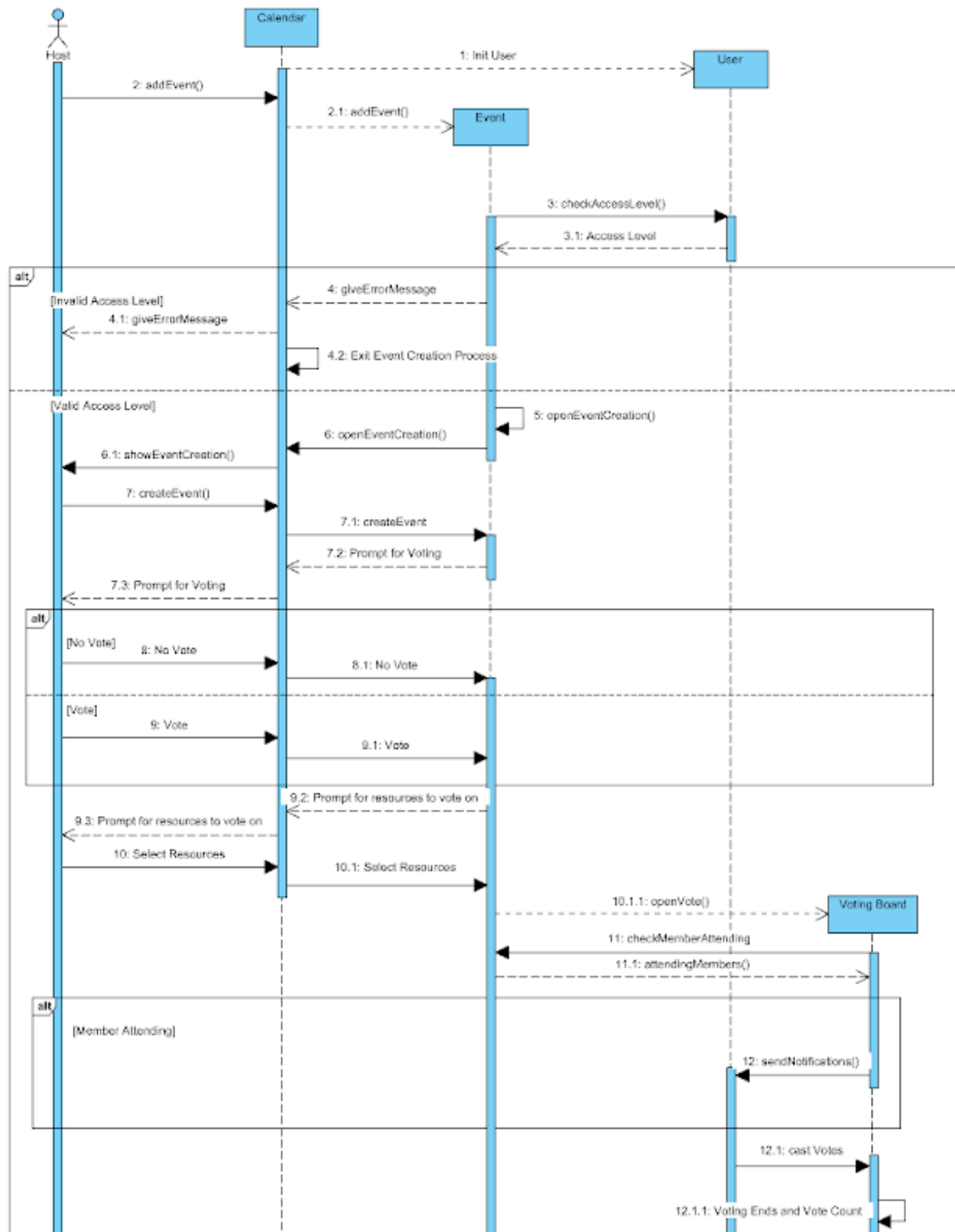
## Member Post Comment

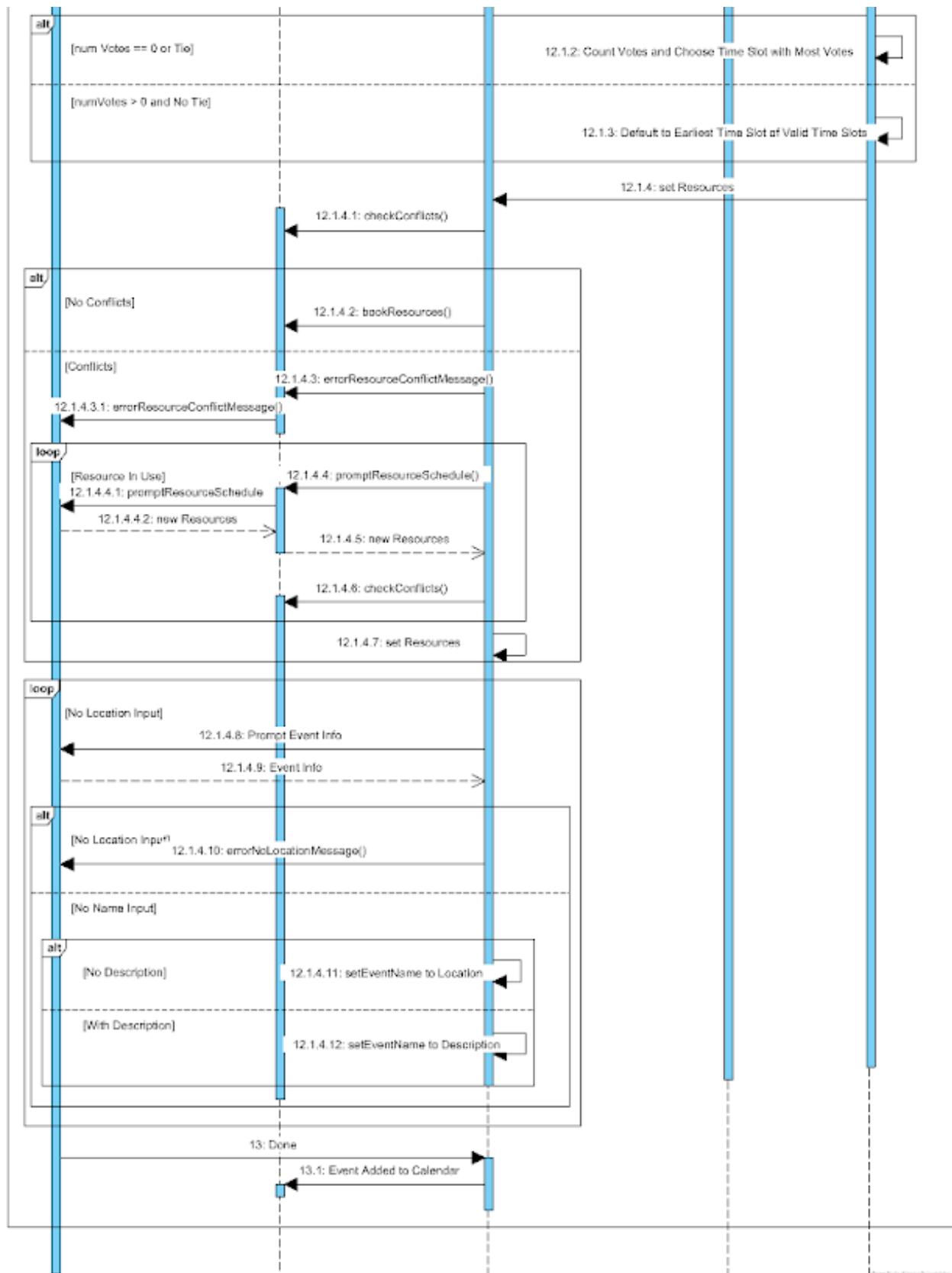


# Host Facilitated Event Discussion Board

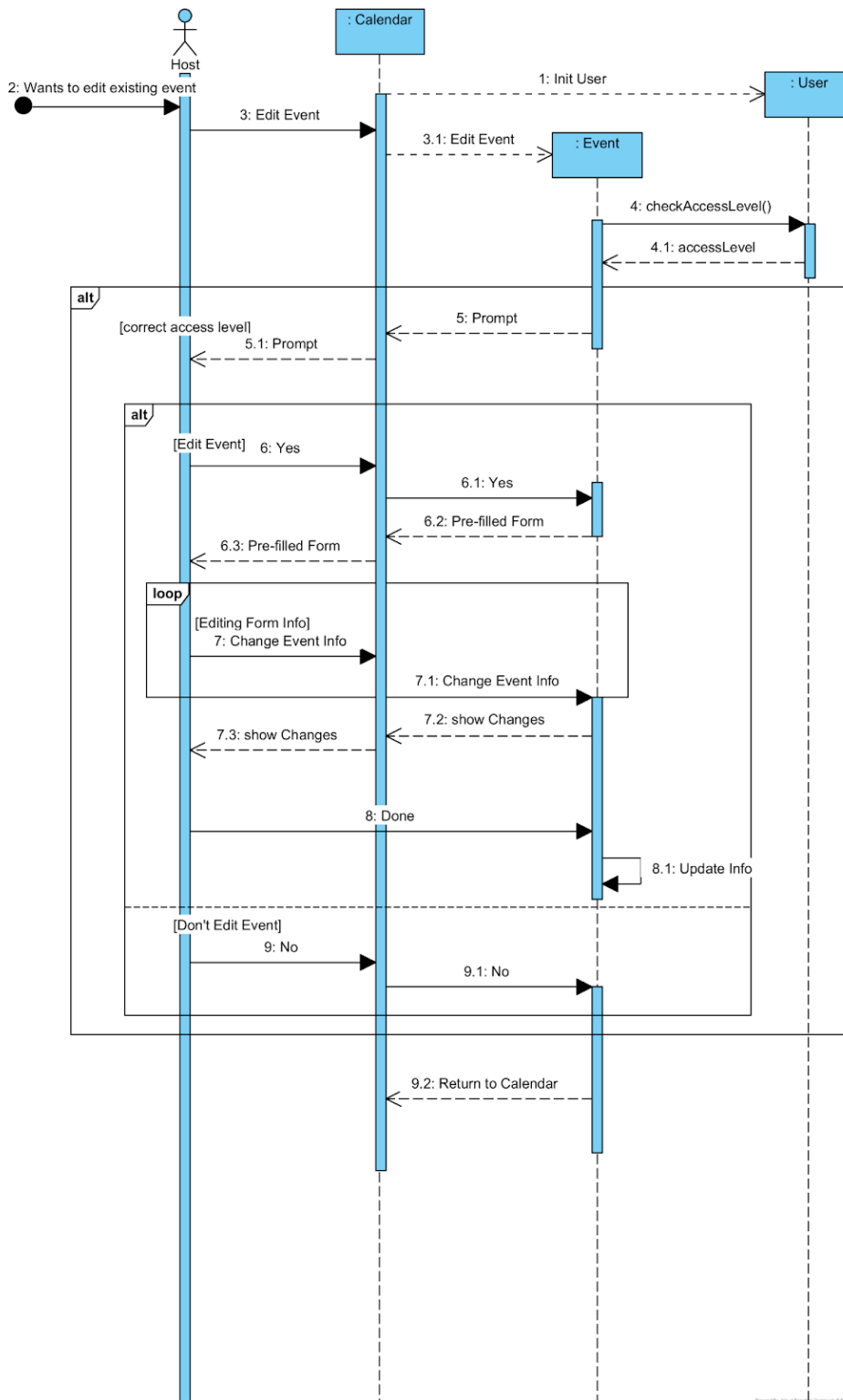


## Add Event

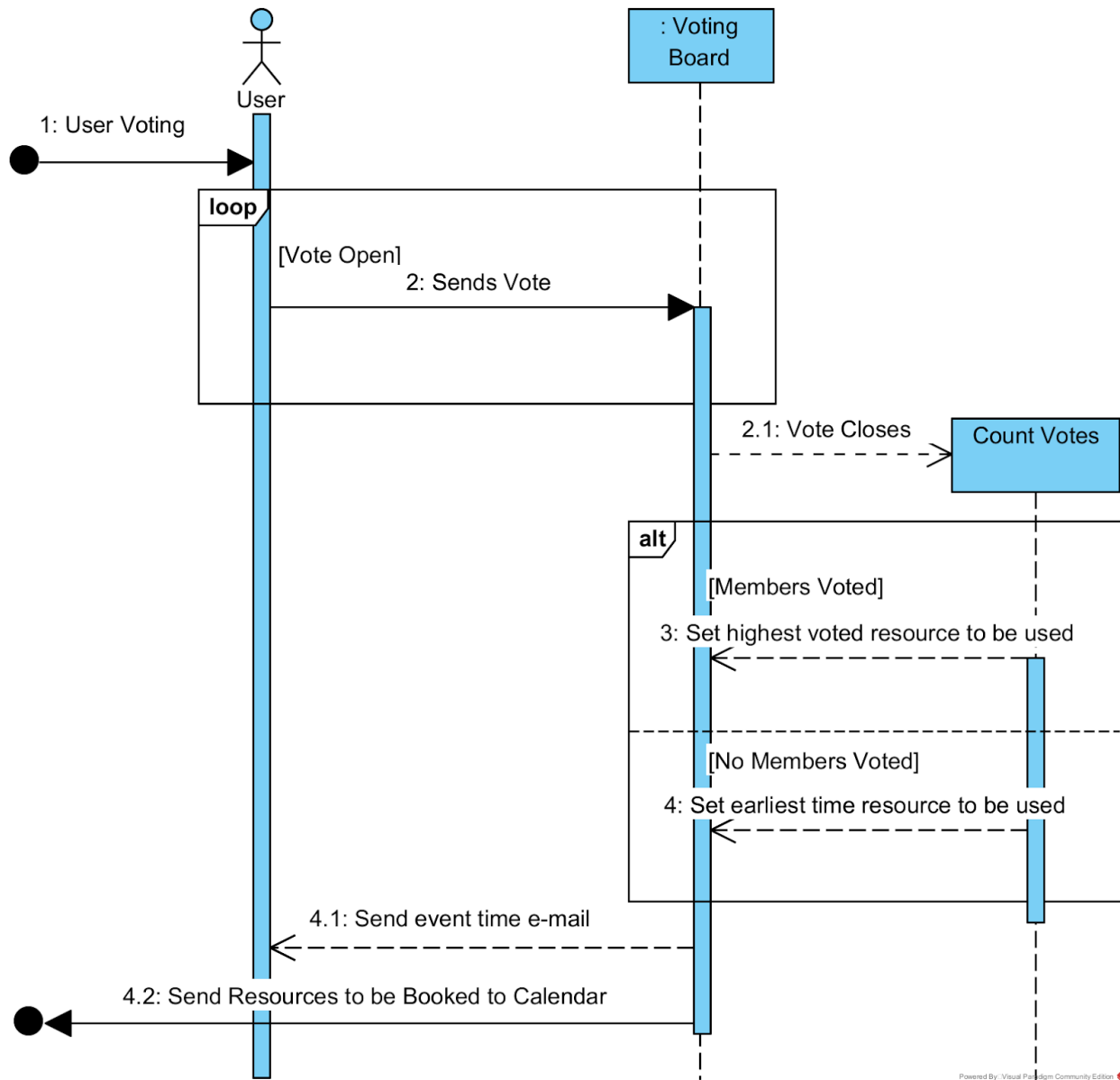




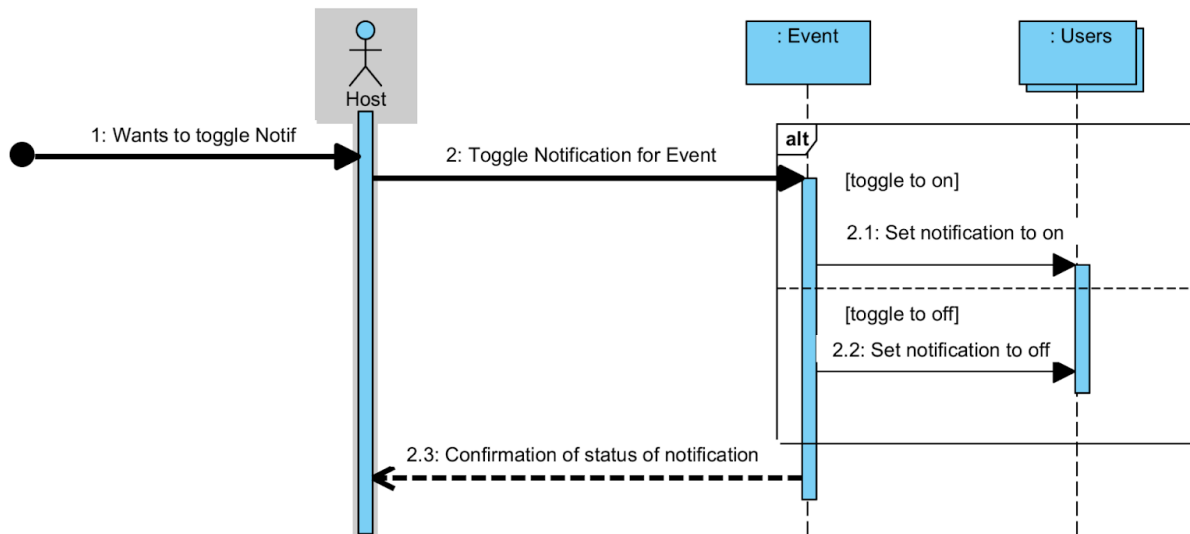
# Edit Event



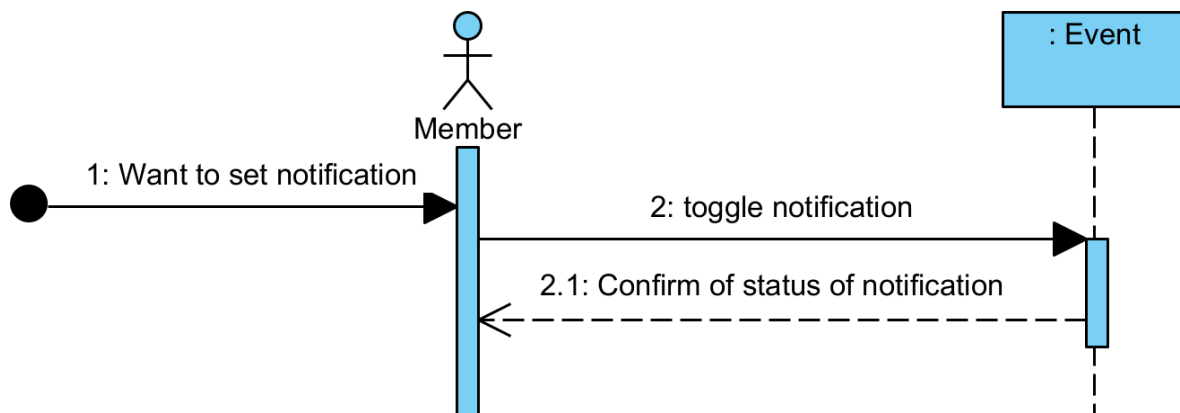
## Member Voting



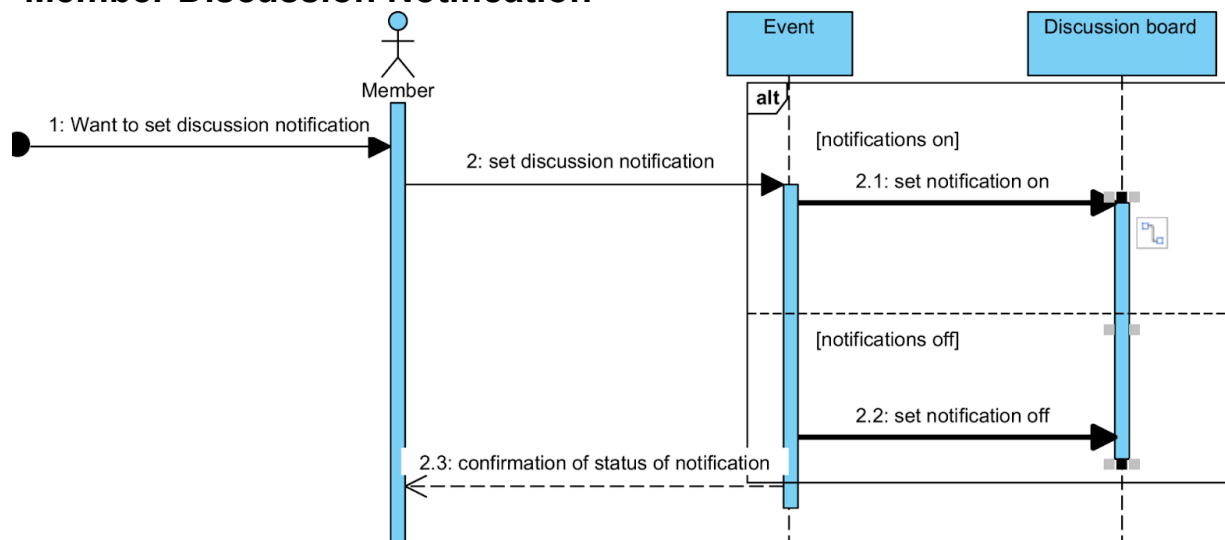
## Host Notification



## Member Event Notification

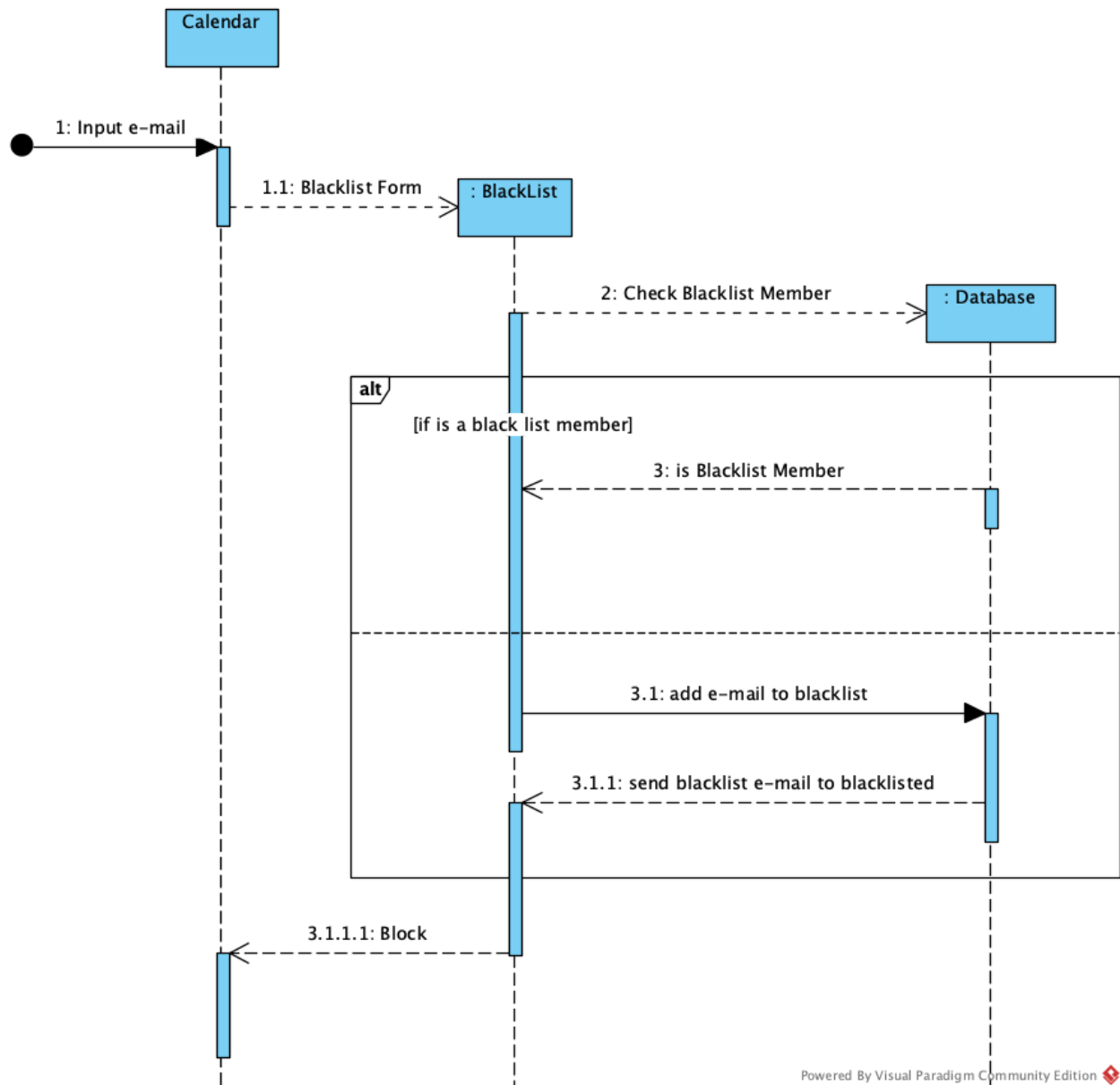


## Member Discussion Notification

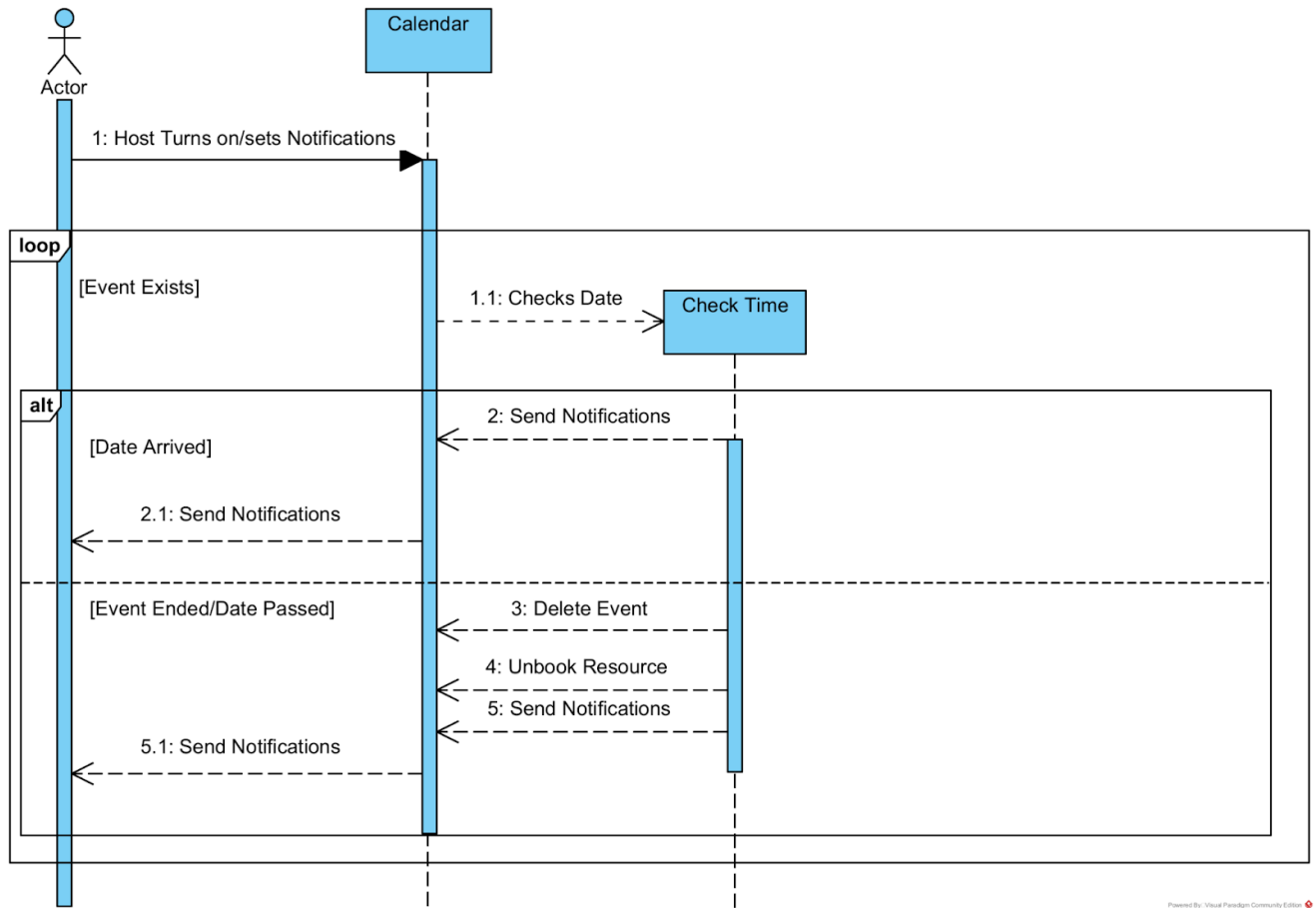




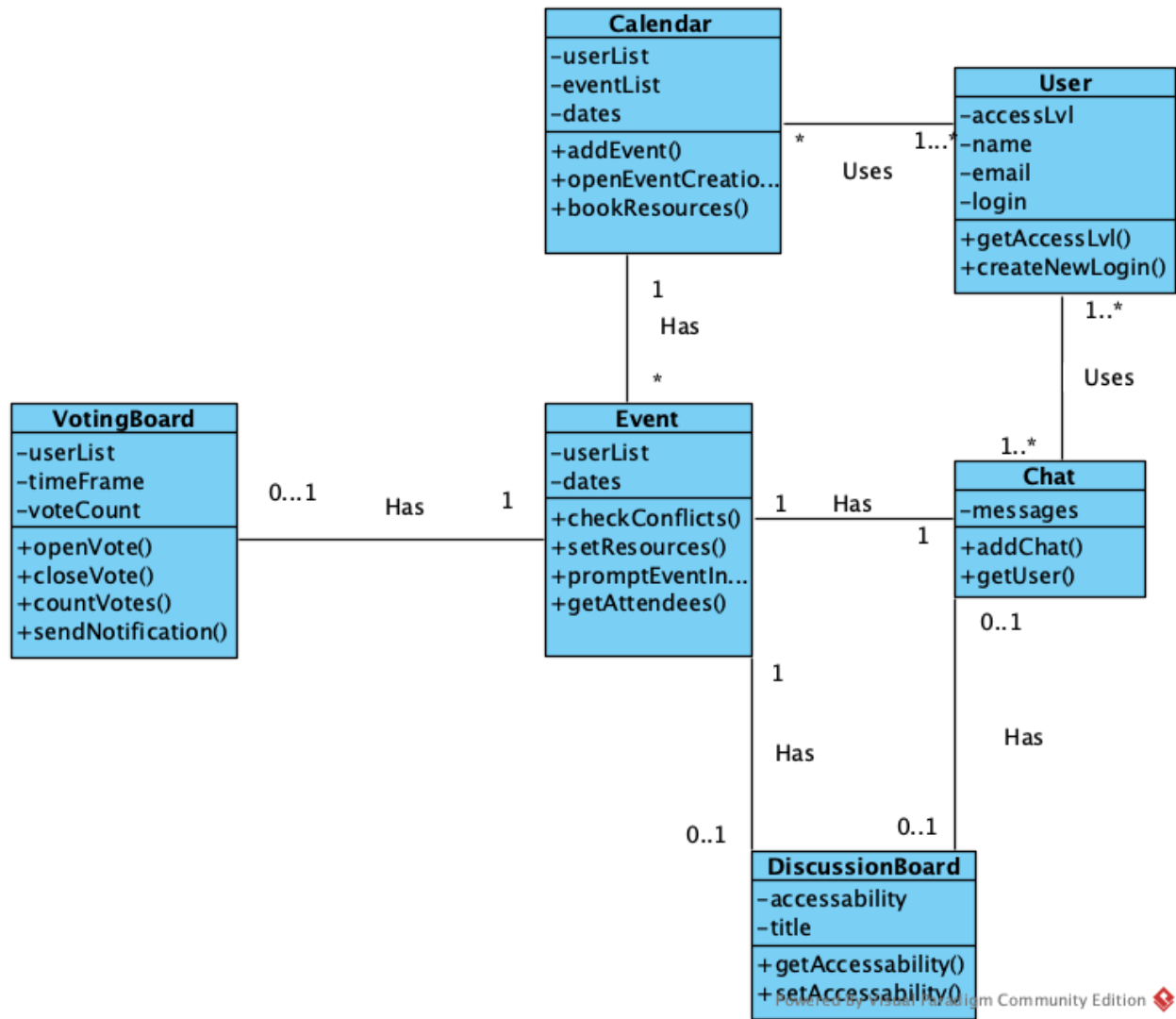
## Member Blacklist



## Calendar Sends Notification

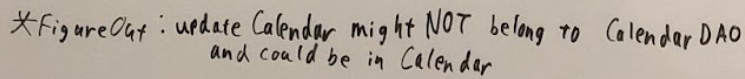


## Design model





## Server/Client to Database Model



## Database ER Diagram

Unnecessary (?):

3.1

6.2.1; 6.2.2

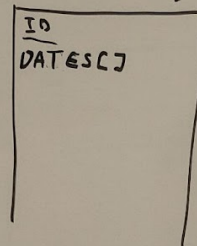
What are you doing

Calendar

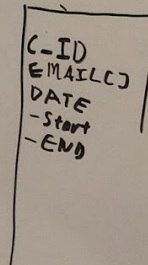
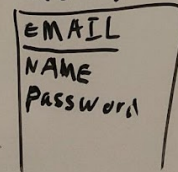
Calendar  
chat  
Calendar protocol  
Server  
Connect

passed to client

Calendars



Users



SUM

## **GRASP**

### **Pattern: Information Expert**

The Classes are responsible for management of Events, Dates, and Users. The Calendar allows interaction between the User and Event classes. The Event's job is to store the relation between Users and Dates. The Calendar's job is to store the relation between Users and Events. Event gets its information from user input, the User class, and the Voting Board class. The Calendar and Event classes show that they are Information Experts, as they each have what they need to do particular functions and know where to get the information they need for particular functions.

### **Pattern: Creator**

The main creator in this software is the Calendar, which creates User and Event. Event is also a creator due to how it creates Voting and Discussion Boards.

### **Pattern: High Cohesion**

This setup demonstrates high cohesion, as the functionality for the Use Cases are split among multiple classes, and each collaborate with other classes to complete a function. This can be seen in the Calendar and Event classes that delegate certain tasks to other classes.

### **Pattern: Low Coupling**

Some relatively high coupling exists between the Event and Calendar classes with the User class. Event and Calendar both have their own list of Users, and cannot function without the existence of the User class. However, the other classes seem to be coupled only for the sake of a particular Use Case, so we believe the application has low coupling overall.

### **Pattern: Controller**

The Controllers for this app will be the UI classes, which handle and react to input for different use cases.

### **Pattern: Polymorphism**

There is polymorphism in this class for UI.

### **Pattern: Dynamic Binding**

This exists out because of the UI all having createGUI() functions.

#### Pattern: Pure Fabrication

The class that exemplifies this GRASP pattern is the Event class, which doesn't really represent anything that exists in reality. Event represents the relationship between Users and Dates

#### Pattern: Indirection

Indirection is used many times throughout this software. One example is the Calendar class which mediates between the Users and Events. There's also a lot of indirection through the UI, which handles User input and directs it to the other classes.

#### Pattern: Law of Demeter

This law is satisfied in multiple ways. Firstly, by the indirection between Users and Voting Board, and between Users and Discussion Board.



## Testing Coverage

Functions	req 1	req 2	req 3	req 4	req 5	req 6	req 7	req 8	req 9	req 10	req 11	req 12	req 13
addEvent()										x			
openVote()									x	x		x	
closeVote()										x			
countVotes()									x			x	
checkConflicts()							x						
bookResources()						x	x						x
setEventInfo(Details)										x	x		
inviteNewMember()			x	x									
addNewMember()		x		x									
setNewMemberEmail(email)	x												
setNewMemberPriority(priority)		x		x									
cancelInvitation(email)	x												
resendInvitation(email)	x												
setAccessibility(Option)			x										
addTitle(Title)	x												
changeAccessability(option)		x											
postReply(Reply)								x					
checAccessLevel()			x	x	x								

updateInfo()		x	x	x									
toggleNotif()	x												
setNotif()											x		
setDisNotif()										x			

**Links:****Time Cards:**

Located on trello: <https://trello.com/b/HqqftTBT/something-normal>

**Issue tracking:**

Located on github: <https://github.com/lanewb/SE1-Something/issues>

**Website:**

Located on github: <https://ianewb.github.io/SE1-Something/>