

## Use Case #14: Create an Event

### GENERAL CHARACTERISTICS

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<b>Last Update:</b>	9/25/16
<b>Scope</b>	Backend of HypeU event discovery service
<b>Level</b>	User level
<b>Status</b>	Under review
<b>UML Diagram</b>	See page 8 of 'UML Diagrams.pdf'
<b>Primary Actor</b>	Event Admin User
<b>Secondary Actors</b>	Guest, Client User, University
<b>Stakeholders and Interests</b>	<ul style="list-style-type: none"><li>• Guest: Would want to see events at a university without having to log in</li><li>• Client User: Wants to see events at their university, as well as get a notification if they were following the organization that is creating the event</li><li>• University: Might want to keep track of events that are going on</li></ul>
<b>Preconditions</b>	Organization for the event exists, and event admin user is an admin of that organization
<b>Success Post Condition</b>	Event is created for the organization, and users following the organization are sent a notification for the event
<b>Failed Post Condition</b>	Backend sends an error message to the client, and no event is created

### MAIN SUCCESS SCENARIO (or basic flow)

Step	Action
1	User navigates to an organization they are admin for
2	Event Admin User starts the process to create a new event
3	Event Admin User enters the event details, name and date at least are required
4	Client sends admin user info along with event details to backend
5	Use case #15 takes care of updating the event details as provided by the user
6	Backend creates the event for the organization
7	Backend sends notifications with event info to all users following the organization

### EXTENSIONS or Alternate Flows

Step	Branching Action
2a	User isn't an admin for the organization <ul style="list-style-type: none"><li>1. Backend sends an error message that user doesn't have permission to create an event for the organization</li></ul>

- 3a Not enough details provided for event (eg. name not provided)
  - 1. Backend sends an error message that event needs more detail, and event is not created
- 7a Sending push notifications to user might fail
  - 1. Backend logs an error and does nothing else

### ***SPECIAL REQUIREMENTS***

Req Num	Requirement
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|---|---|
| 1 | Backend should take advantage of native push notification frameworks for best reliability |
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### ***TECHNOLOGY AND DATA VARIATIONS LIST***

Var Num	Variation
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|---|--|
| 1 | Should support at least Android, iPhone push notifications; other platforms are also possible to explore |
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***FREQUENCY OF OCCURRENCE:*** Fairly often, as this is one of the main functions of the service

### ***OTHER ISSUES***

Issue Num	Issue
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|---|--|
| 1 | Should followers of the organization be automatically marked as following the event? |
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