Use Case # 6: User Login

GENERAL CHARACTERISTICS

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Scope	Backend of HypeU event discovery service
Level	User level
Status	Under review
UML Diagram	See page 3 of 'UML Diagrams.pdf'
Primary Actor	Guest
Secondary Actors	Database, Client User
Stakeholders and Interests	● Client User: Wants access to profile and university specific organizations and events
Preconditions	User login information exists in database, and user's email is verified
Success Post Condition	User is logged into account and can view profile information, as well as followed organizations and events
Failed Post Condition	Backend sends error message for either email/password incorrect or email address unverified

MAIN SUCCESS SCENARIO (or basic flow)

Step	Action
1	User arrives at 'Login' page
2	User enters email address for account that exists in database and is verified
3	User enters password matching selected account in database
4	Client sends user email and hashed password to backend
5	Backend checks user account has verified their email
6	Login is successful, user is redirected back to main screen, but logged in
7	Auth token saved to database

EXTENSIONS or Alternate Flows

Step	Branching Action
2a	User enters email that does not exist in the database
	1. Backend sends error message that email or password is incorrect
3a	User enters password that does not match account in database
	1. Backend sends error message that email or password is incorrect
5a	User has not verified their account via email
	1. Backend sends error message that account has not been verified

SPECIAL REQUIREMENTS

Req Num	Requirement
1	For security purposes, the error message will not state specifically whether the user's' email or password was incorrect

TECHNOLOGY AND DATA VARIATIONS LIST

Var Num	Variation
0	N/A

FREQUENCY OF OCCURRENCE: Often at the beginning because we want guests to create accounts in order to save their organization/event information; however, after a user logs in once, they will not have to login again until they log out

OTHER ISSUES

Issue Num	Issue
1	Should the user account be locked if too many failed login attempts?
2	Should there be a 'Forgot Password' option if the user doesn't remember their password?