

Test Plan  
Christina Atallah, Nathan Cherry, Andrew Mack,  
James Miller, Mitchell Mounts, Jason Salter

Register Cases

Sign Up Tests

Reg001, Generic Email Sign Up, 1

Call signup() with a valid email

Print confirmation of sent email

Reg002, In Use Email, 1

Call signup() with an email that is already claimed

Print message saying email has already been claimed

Reg003, Not Real Email Address, 3

Call signup() with an obviously fake address such as [Bob@gmail.com](mailto:Bob@gmail.com)

Print message stating email is unacceptable

Reg004, Not Email Address, 1

Call signup() with garbage such as "dsf982h2" for email address

Print message stating email is unacceptable

Reg005, Invalid Email Domain, 1

Call signup() with garbage such as \*@dsf982h2 for email address domain

Print message stating email is unacceptable

Reg006, Null Name, 1

Call signup() with nothing for address such as @gmail.com

Print message stating email is unacceptable

Reg007, Null Domain, 1

Call signup() with nothing for domain such as \*@

Print message stating email is unacceptable

Register Tests

Reg008, Register From Invitation, 2

Call register() with the token provided in the invitation email

User receives confirmation output and account is created in back-end

Reg009, Register From Trusted Invitation, 2

Call register with the token provided in the trusted invitation email

Print confirmation and account is created and accredited

Reg010, Mismatched Passwords, 1

Call register() without matching passwords

Print message saying passwords don't match and try again

Reg011, Weak Password, 3

Call register() with a password that is too short

Print message saying password is too short

Reg012, Too Long of Password, 3

Call register() with a password that is too long

Print a message saying that password is too long

Reg013, Invalid Token Entered, 2

Call register() with a token that is incorrect

Print message saying token is incorrect

Reg014, Correct Token Not Received, 2

Call register() with incorrect token and same email multiple times

Print message saying Token Email is re-sent and the user is notified

#### Invitation Tests

Reg015, Inviting New User, 2

Call invite() with an email that is not claimed

Print confirmation of departed invitation

Reg016, Inviting Claimed Email, 3

Call invite() with an email that is already claimed

Print the claimed email's account name

#### Login Cases

##### Login Tests

Log001, Login, 1

Call login() with correct email and password

Print Session & confirmation message

Log002, Not In Use Email, 2

Call login() with email that is not claimed

Print notification of problem and prompted to sign up or try different email

Log003, Incorrect Password, 1

Call login() with registered email and improper password

Print prompt for information resubmission

Log004, Incorrect Password Successively, 2

Call login() with registered email and incorrect password multiple times

Print message asking if the password was forgotten

Log005, In Use Email with Improper In Use Password, 3

Call login() with registered email and in use but incorrect password

Print message asking if the password was forgotten

#### Logout Tests

Log006, Logout, 2

Call logout() while logged in

Prints logout confirmation

Log007, Logout Fail, 3

Call logout() while not logged in

Prints that you were not logged in

#### Password Recovery Tests

Rec001, In Use Email Password Recovery, 1

Call recoverPassword() with in use email

Send recoverToken to email to reset password

Rec002, Invalid Email PasswordRecovery, 2

Call recoverPassword() with invalid email

Print message stating that the entered email is invalid

Rec003, Non-existent User PasswordRecovery, 2

Call recoverPassword() with an email that isn't signedup or claimed

Print message stating account doesn't exist

## Profile Cases

Email Tests - "Claimed" emails are associated with an Account

Prof001, Add Unclaimed Email, 2

Call addEmail() with unclaimed email that no one has trusted

Print message of the additional email account claim

Prof002, Add Unclaimed Trusted Email, 2

Call addEmail() with unclaimed email that someone has trusted

Print message of the additional email and authority account claim

Prof003, Already Owned Email, 1

Call addEmail() with an email that the current session already owns

Print message saying email already owned

Prof004, In Use Email, 1

Call addEmail() with an email that is already claimed with another account

Print message saying identity theft is illegal

Prof005, Not Real Email Address, 3

Call addEmail() with an obviously fake address such as [Bob@gmail.com](mailto:Bob@gmail.com)

Print message stating email is unacceptable

Prof006, Not Email Address, 3

Call addEmail() with garbage such as "dsf982h2" for email address

Print message stating email is unacceptable

Prof007, Invalid Email Domain, 3

Call addEmail() with garbage such as \*@ds2h2 for email address domain

Print message stating email is unacceptable

Prof008, Null Name, 3

Call addEmail() with nothing for address such as @gmail.com

Print message stating email is unacceptable

Prof009, Null Domain, 3

Call addEmail() with nothing for domain such as \*@

Print message stating email is unacceptable

Prof010, Remove a Not Present Email, 3

Call removeEmail() on a email that hasn't been claimed by current session

Print error message

Prof011, Remove email, 2

Call removeEmail() on an email that has been claimed

Print the updated email list

#### Affiliation Tests

Prof012, Add Affiliation, 1

Call addAffiliation() with a new citation

Print confirmation of added affiliation

Prof013, Adding Already Present Affiliation, 2

Call addAffiliation() with an affiliation that has already been added

Print message saying the affiliation was already present

Prof014, Remove Affiliation, 2

Call removeAffiliation() to remove an affiliation from his/her profile

Print notification of the updated affiliation list

Prof015, Remove a Not Present Affiliation, 3

Call removeAffiliation() to remove an affiliation that's not present

Print error message of the command

#### Citation Tests

Prof016, Add Citation, 1

Call addToPortfolio() with citation not previously added and valid session

Print confirmation message of citation being added to the current sessions profile

Prof017, Add Already Existing Citation, 3

Call addToPortfolio() with previously added citation

Print message saying citation was already present

Prof018, Remove Citation, 2

Call removeFromPortfolio() with citation previously added and valid session

Print confirmation message of the citations removal

Prof019, Remove a Not Present Citation, 3

Call removeFromPortfolio() on a citation that is not present

Print notification of mistake

Prof017, AddCitation With Expired Session, 1

call addToPortfolio() with citation not previously added and an expired session

Print error that session has expired

Prof18 Remove Present Citation With Expired Session, 1

call removeFromPortfolio() on a citation that is present but with an expired session

Print error that session has expired

Prof19, Update Citations of Existing TrustEdge With Valid Session, 1

call updateCitations() with a valid TrustEdge and Session, and list of new citations

Update and confirmation of new citations

Prof20, Update Citations of Nonexisting TrustEdge With Valid Session, 2

call updateCitations() with invalid TrustEdge and valid session, and list of new citations

Print error message

Prof21, Update Citations of Existing TrustEdge with Invalid Session, 2

Call updateCitations() with valid TrustEdge but expired session, and list of new citations

Print error message that session has expired

## Authority Cases

### Endorsing Tests

Auth001, User A Endorses User B, 1

Call trust() with registered user email, subject, and citations

Trust edge is cataloged in the database and prints confirmation

Auth002, User A Endorses Unregistered User B, 2

Call trust() with a unregistered user email

Prompt user to invite <email> to APP

Yes: Unregistered email is sent an invitation and confirmation is printed  
No: Do nothing

Auth003, User Endorses Someone with no citations, 2  
call trust() with no citations  
Print error because you can't trust someone for no reason

Auth004, User Endorses Someone With No Subject, 1  
call trust() with no subject  
Print error stating you can't trust someone on nothing

Auth005, User Endorses Someone For Same Subject More Than Once, 3  
Call trust() with the same email and subject more than once  
Print error saying that you have already trusted this email on this subject

#### Un-Endorsing Tests

Auth005, User Un-endorse Another User, 1  
call untrust() with a previously established trust edge  
Trust edge is removed from database, confirmation is printed

Auth006, User Un-endorse a Un-endorsed User, 3  
call untrust() with someone that hasn't been previously trusted  
Print error of uninitialized trust

#### Network Viewing Tests

Auth007, View Subject Network, 2  
Call viewSubjectiveNetwork() while logged in and with a valid threshold  
Returns list of colleagues that sco

Auth008, View Subject Network With Bad Threshold, 3  
Call viewSubjectiveNetwork() with a invalid threshold  
Print error

Auth009, View a User's Network, 1  
Call viewPublicNetwork() with a valid email  
Returns an array representing the network

Auth010, View a Unregistered User's Network, 2  
Call viewPublicNetwork() with an unclaimed email

Prints error

Auth011, View Subject Network Without a Session, 1  
Call viewSubjectiveNetwork() while not logged in  
Print error