Use Case # 1 :

Step 1 - Primary Actor/Goals : Unselected User (inviter) will be actor. Sending invitations to up to 5 other Unselected Users will be the goal.

Step 2 – Main Scenario / “Happy-Day Case” :

1) User views the names of all the other Unselected Users in the system.

2) User chooses one name from the list to send an invitation to.

2) Will ask User if they want to send another invitation. If yes go back to step 1, if no end successfully.



Step 3 – Failures : In step 1 other (invited) Users’ information could be incorrect because it is mismatched:

a) When invitation sent to different User than intended.

b) When invitation send to Selected Users.

In step 1 the logged in User’s information could be incorrect because it is misidentified and they try to view information beyond their access right:

c) When current logged in User’s Selected status is “Selected” and we let them send invitations

d) When current logged in User is allowed to sends more than 5 invitations.

Step 4 – Alternate Scenario : a-b) Must check that each User shown in step 1 is an valid “Unselected” User. Will track **selected** string field for each User initialized to “unselected” to signify Unselected status. Once invitation is accepted both members have their selected value updated to “selected” indicating that they are now both Selected Users.

c) Log in step is needed before step 1 of main scenario to ensure we can track each User’s identity while using the system. Only allow “Selected” Users to send invitations out.

d) Will need an integer field **invites** for each User to track the number of invitations each User has available to send (initialized to 5, and decremented for each invitation successfully sent out). while (invites > 0) allow User to send another invitation.

**For diagram of alternative scenario see “*UC 1 Alternative Scenario.jpg*” file.**

Use Case # 1.1

Step 1 - Primary Actor/Goal : Unselected User (invited) will be primary actor. Goal will be to views the names of the Users who have sent them invitations, of which they can accept only one to become partners with.

Step 2 – Main Scenario / “Happy-Day” Case :

1) User views the names of all the other Users who have sent them an invitation.

2) Choose one name from list to accept the invitation from.

3) Successfully log out.



Step 3 – Failures: In step 1 and 2 of main scenario (viewing /choosing name(s)) information could be incorrect/mismatched

When:

a) current User is allowed to choose more than one invitation to accept.

b) current User enters the incorrect input by mistake.

In step 1 and 2 of main scenario we could have an Invitation from a User that is no longer Unselected

When :

c) the Invitations involving either User in the newly formed partnership are not removed from the Invitations table.

In step 1 of main scenario we could ask a User involved in a partnership to view and accept invitations

When :

d) both Users involved in partnership don’t have their selected value change to “selected”.

Step 4 – Alternate Scenario : a) design the program to only allow User to choose one name from their Invitations to accept/pair with.

b) after User makes a choice ask them if they are sure (verify input)

c) we will also make sure to go through all the invitations of the Invitations table removing any that include either member of the newly formed partnership (to ensure table only include valid Invitations sent from currently “unselected” Users), once a partnership is formed (invitation successfully accepted)

d) after a User accepts an Invitation we will update both members of the new partnership to a selected value of “selected”, and save each other’s distinct userName to their partner field (so we can reference them in UC 2).

**For diagram of alternative scenario see “*UC 1.1 Alternative Scenario.jpg*” file.**

Use Case # 2

Step 1 - Primary Actor/Goal : Selected User (partner) will be our primary actor and viewing our partner’s name will be our goal.

Step 2 – Main Scenario / “Happy-Day” Case :

1) User logs in and see’s their partner’s name.



Step 3 – Failures:

In step 1 the wrong partner’s name could be output

When:

a) the current User’s identity is incorrect(mismatched)

Step 4 – Alternate Scenario :

a) will need to verify User identity using username and password at login. Only proceed if there is a match and the User has a selected value of “selected” (otherwise if “unselected” see U.C 1 and 1.1)

b) will need to track who each User’s partner is using a partner field that references the partner of each User (using the partner’s distinct userName). We extract and store this information in UC1.1 after invitation is successfully accepted (Step 4: Part D).

