

## Rubric – 45 points

Item	Best	Average	Worst
<b>Huddles (5 pts)</b>	Quick, efficient, informative. All members are heard and valued.	Quick, efficient, and/or informative. All members are heard and valued.	Took too long, not efficient and/or all members not heard.
<b>Entities List (5 pts)</b>	5 or more good entities listed	3 to 4 entities listed and/or all choices are not reasonable	1 to 2 entities listed
<b>Detailed Designs (20 pts)</b>	4 or more entities designed with enough detail to implement them	Only 2 or 3 designs and/or designs are incomplete	Only one design or designs are poorly done
<b>Capability Assessment (10 pts)</b>	Technology and team fully covered, and assessment well done.	Mostly complete and assessments reasonable	Very incomplete or unrealistic
<b>Updated Gantt Chart (5 pts)</b>	Gantt chart shows accurate history of the prior phases and reasonable tasks for the design phase. Prototype phase is present but may not be fully defined.	Gantt chart shows history of the prior phases and reasonable tasks for the design phase. Prototype phase may be present but may not be well defined.	Gantt chart is incomplete or inaccurate in some substantive way. For example, no flow of tasks, no dependencies evident, no start and end dates.

Figure 7-1 – Possible System Entities

Product: Find A Partner

Team: 02

Date: 02/22/2019

Requirement	Type	Name	Description or Notes
1	Screen	Discussion Board	List of all the threads for events open for commenting, upvoting and adding to the calendar.
2	Screen	My Profile	Screen to set description, bio, interests, contact details, settings, etc
3	Code	AI Manager (Matching Algorithm)	An algorithm that will determine a find a partner for the user to go with. The algorithm will compare multiple aspects such as interests, preferences, and location to return a matching factor. That matching factor will be compared with another available user. The highest matching factor will be chosen to match users.
4	Code	Event Manager	The event manager will update, refresh, register upvotes and comments for each thread in the event discussion board.
5	Screen	Create Event	Form for the user to create an event and add to the events list. Functionality will include, posting directly to the discussion board, name, time, place, date, etc.
6	Database Table	User Data	Data table that will temporarily store data for each user such as the system for the algorithm to use. Parameters such as interests, preferences, matching factors with other users will

			be stored on this data table for the algorithm to refer to.
7	Screen	Home Page	The homepage that introduces our product with links to a registration page, a login page. Will have a welcoming and friendly pictures of social interaction.
8	Code	Access Manager	Code that will allow users to log in on their account on the website. The access manager will assign the privilege to the person who logged in. Privileges could be an administrator, user, moderator etc.
9	Database	User Manager	Code that will track users interactions and their history. Will keep users data secure and store it in the user database.

## Detailed Entities

1.

Detailed Design of a Homepage:

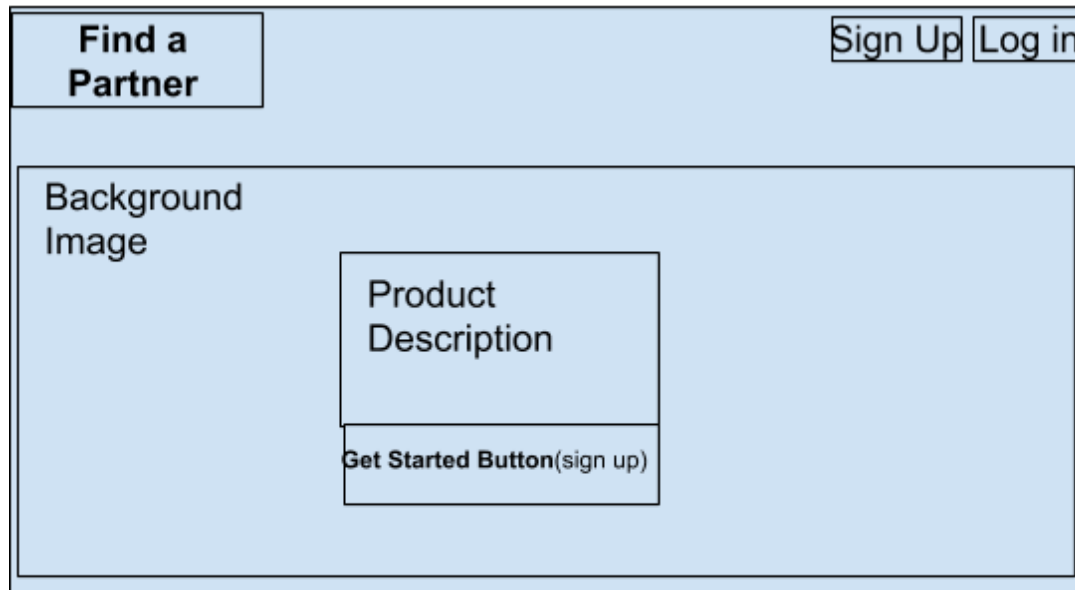
Name: Find A Partner

Type: Homepage

Purpose: The purpose of this homepage is to meet requirement #7, a homepage screen.

Description: The figure below shows a sample layout for this homepage. This homepage will be the first thing users see when they access our website. The homepage contains our product description, with links to a registration page and a login in page. It will also contain a background image of social interaction to make the webpage more welcoming.

Layout:



2.

Name: Matching Algorithm

Type: Function

Purpose: This function is needed to meet requirement 3

Parameters: The following parameters are used to call this function:

Name	Data Type	Notes
user1	String - List of User Data	This is the profile of user 1 that will be compared against the profile of user 2
user2	String - List of User Data	This is the profile of user 2 that is being compared against.
event	String - Event Type	This is the event argument for which the factor is being generated. Different events may have different factors.

Return Type: Float value that will be range from 0-1. This is the matching factor generated by the code between the 2 users for a certain event. This matching factor will be assigned to user 1 along with the event.

Processing:

### Pseudocode

1. List of data initialized for user1
2. List of data initialized for user2
3. Data for event initialized.
4. List comparison function called to generate a matching factor.
  - a. The function will look for similar items in interestsUserList1 and interestsUserList2
  - b. For each similar factor: incrementation will take place
  - c.  $\text{Match factor percentage} = \text{incrementation} / \text{totalCount}$
  - d. Percentage returned to Matching function and stored temporarily.
5. The list comparison function will be called for each list (interests, preferences, locations, etc)
6. Total percentages will be averaged to generate a matching factor
7. The matching factor will be returned and assigned to user1 with respect to user2 for a specific event.

Name: Discussion Board

Type: Screen

Purpose: The purpose of the discussion board is for users to look and choose from real-time events from users who are in need of a partner to go with.

Description: The user will be able to click to this screen and look at a list of events that other users have put on the board. The user will be able to click on the event and a nested pop-up window will show a description of the event, the venue the event will be at, a link to the review of the venue, as well as what the user is looking for.

Discussion Board

Genre\*\*

Discussion Board > Genre

[illegible]

Find A Partner

Discussion Board > Genre

User Name - Event Name	Time Stamp
<div>Event Name</div> <div>Event Description/ User Requirements</div>	<div>Picture Of Venue/Event</div> <div>Event Location</div> <div>Event Time</div> <div>Review of Venue</div>

Name: My profile

Type: Screen

Purpose: This screen is required to meet requirement #2.

Description: The user will be able to see information regarding a user's profile such as their profile picture, interest, location, etc.

Layout:

Find a Partner

Profile Picture

Name

Major and Year

Gender and Age

Biography

Interests

7-5

	Anthony Lam	Uday Jain	Xiang Liu	Albert Leung	Tony Pham
Coding (Front End)	2	3	2	1	2
Image Editing	2	1	2	2	2
Databases	1	3	2	2	1
Coding (Back end)	1	3	2	1	1
Marketing	2	1	2	2	2
Creative Writing	3	2	1	3	3



## Updated Gantt Chart

