

HiveMind System Design

Group Name: Working Bees

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1 CRC Cards

Hive	
<ul style="list-style-type: none">• Represents a custom room for group making that is accessed using a code• Contains the unique criteria specified by the host and the current group formations• Keeps track of the current phase of the algorithm and acts a means for the host to monitor the group making process	<ul style="list-style-type: none">• Arjun• Morgan• Katty• Joshua

User	
<ul style="list-style-type: none">• Represents an individual person using the application• Can choose from a collection of Hives to join, and in each, can be either a host or an attendee• Used in authentication	<ul style="list-style-type: none">• Arjun• Jeremy• Calvin

Host	
<ul style="list-style-type: none">• Sets the criteria each partipant should enter for match making• Has a high level view of the matchmaking process via the hive	<ul style="list-style-type: none">• Arjun• Calvin

Attendee	
<ul style="list-style-type: none">• Represents a user in the hive looking to be grouped• Can join or invite other attendees to be part of their matching group prior to the match making process	<ul style="list-style-type: none">• Arjun• Jeremy

MatchingGroup	
<ul style="list-style-type: none"> • Represents an individual or initial group of people to be grouped by the algorithm • Contains a profile (name, biography, and profile picture) and a set of responses to the matching questions made by the host • Gives responses of preference to the group making algorithm in the form of accept, reject, or indifference to each other matching group 	<ul style="list-style-type: none"> • Arjun • Calvin

2 Software Architecture Diagram

We are using a three-tier architecture for our product. More information about this architecture can be found below.

<https://www.ibm.com/topics/three-tier-architecture>

