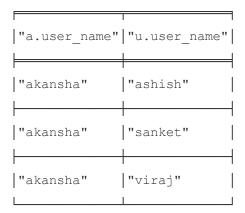# User Story 1:

<u>a)</u>

<u>Query for finding all the projects in the module Advance Information System</u>

```
"projectWork" : [
            {
                    "moduleName" : "Advance Information System",
                    "title" : "Student Profile and Alumini System",
                    "description" : "Data model for Student profile",
                    "type" : "course work",
                    "startDate" : ISODate("2019-01-01T00:00:00Z"),
                    "endDate" : ISODate("2019-01-01T00:00:00Z"),
                    "members" : [
                            "sarang",
                            "viraj",
                            "sanket",
                            "rahul"
                    ],
                    "referenceUrls" : [
                            ""
                    ],
                    "documentFile" : "",
                    "documentTags" : [
                            "mongoDB",
                            "neo4j",
                            "redis",
                            "projectreport"
                    ]
```

<u>As a user I want to know the names of all the members of a particular project.</u>

```
            "members" : [
                            "sarang",
                            "viraj",
                            "sanket",
                            "rahul"
                    ]
```

User Story 2:

<u>Select Query for extracting user's following lists</u>

"a.user_name"	"u.user_name"
"akansha"	"ashish"
"akansha"	"sanket"
"akansha"	"viraj"

<u>Select users following list with skills of the following user</u>

"userSkills"
{"users":[{"user_name":"sanket"}],"skill_name":"JAVA"}
{"users":[{"user_name":"sanket"},{"user_name":"viraj"}],"skill_name":"MongoDB"}
{"users":[{"user_name":"viraj"}],"skill_name":"C#"}
{"users":[{"user_name":"viraj"}],"skill_name":"HTML/CSS"}

User Story 3

Step 3 : Return list of users from Redis for particular tag term
   1) "ashish"
   2) "viraj"
   3) "akansha"

Step 4: Query returns list of follower users,

"a.user_name"	"u.user_name"
"ashish"	"akansha"

User story 4

Output:

Step 1 is create query for event

Step 2: Select user participated in event:

"User Name"	"Event Id"	"Event Name"	"Participation Type"
"akansha"	"5"	"Design thinking techniques"	false
"akansha"	"4"	"hackathon"	true

Step 3: Create/Updates Redis sorted set based on event tags for users

Step 4: Select users specific for tag which will be used for user recommendation in Redis

1) "Machine Learning"

2) "Project Management"

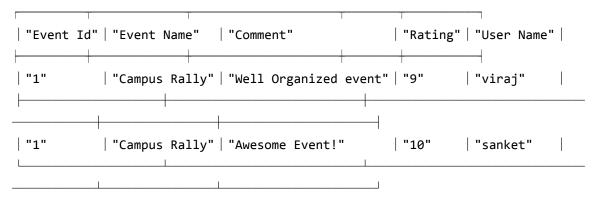3) "Algorithm"

Step 5: Filter users from user's following list

"a.user_name"	"u.user_name"
"akansha"	"ashish"
"akansha"	"sanket"
"akansha"	"viraj"

User story 5

Output:

Getting list of users commented on an event:

For event id **1**

"Event Id"	"Event Name"	"Comment"	"Rating"	"User Name"
"1"	"Campus Rally"	"Well Organized event"	"9"	"viraj"
"1"	"Campus Rally"	"Awesome Event!"	"10"	"sanket"

Getting all the comments given by any user on any event:

For user_name **sanket**

"User Name"	"Event Id"	"Event Name"	"Comment"	"Rating"
"sanket"	"3"	"Job Fair"	"Learned about many new companies"	"9"
"sanket"	"1"	"Campus Rally"	"Awesome Event!"	"10"

User story 6

Output:

List of users "Viraj" endorsed :

"PersonIEndorsed"	"Topic"	"Rating"
"akansha"	"MySQL"	3.7

List of users who endorsed "Viraj" :

"PersonEndorsingMe"	"Topic"	"Rating"
"viraj"	"MySQL"	3.7

Filtering the users who rated me in the "Java" Topic only :

"Topic"	"UserWhoRatedMe"	"Rating"
"C#"	"akansha"	4.5

User story 7

Output:

Part a: Returns the people I may know and who I have friends in common

"friendsInCommon"	"suggestedFriend"
3	"ashish"
2	"vaibhav"
1	"sarang"

User story 8

Output:

```
{
    "_id" : ObjectId("5cd58138347c226a6b952ea0"),
    "senderUserName" : "viraj",
    "recipientUserName" : "akansha",
    "message" : "Hey Hi!",
    "messageDigest" : "23aersd23343bdh",
    "sendDateTime" : ISODate("2019-05-01T09:16:56.108Z"),
    "deliveredDateTime" : ISODate("2019-05-01T09:16:56.108Z"),
    "readDatetime" : ISODate("2019-05-01T09:16:56.108Z")
}
{
    "_id" : ObjectId("5cd58138347c226a6b952ea1"),
    "senderUserName" : "akansha",
    "recipientUserName" : "viraj",
    "message" : "Are you working on Information system project",
    "messageDigest" : "24545aertyuyrsd23343bdh",
    "sendDateTime" : ISODate("2019-05-01T09:18:09.220Z"),
    "deliveredDateTime" : ISODate("2019-05-01T09:18:09.220Z"),
    "readDatetime" : ISODate("2019-05-01T09:18:09.220Z")
}
{
    "_id" : ObjectId("5cd58138347c226a6b952ea3"),
    "senderUserName" : "viraj",
    "recipientUserName" : "akansha",
    "message" : "Yes, I will create merge request now.",
    "messageDigest" : "85erwer54445aertyuyrsd23343bdh",
    "sendDateTime" : ISODate("2019-05-03T18:28:29.926Z"),
    "deliveredDateTime" : ISODate("2019-05-03T18:28:29.992Z"),
    "readDatetime" : ISODate("2019-05-03T18:28:29.992Z")
}
```