|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **There are 4 buckets:** |  |  |  |  |  |
| Sent |  |  |  |  |  |
| Received |  |  |  |  |  |
| Accepted |  |  |  |  |  |
| Declined |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **User** | **Interests Type** | **User** | **User A Bucket** | **User B Bucket** | **Remarks** |
| A | sends interest to | B | Sent | Received |  |
| A | withdraws interest sent to | B | (Removed) | (Removed) |  |
| B | accepts interest from | A | Accepted | Accepted |  |
| B | declined interest from | A | Declined | Declined |  |
|  |  |  |  |  |  |
| (Remove) means the interests is removed from the bucket & the user can search each other again through searchable database |  |  |  |  |  |
| Hence, Users who exists in Sent, Received, Accept & Declined, thus will not appear in search database for both the users. And only withdrawn cases will appear as explained in the above statement. |  |  |  |  |  |