**Requirement and design of Iteration 2**

Timeline:

Oct.14(Wed) requirement document of iteration 2 @Ang

Oct.15(Thu) Coding @Lychee @Ruhua

Oct.16(Fri) Finished all codes @Lychee @Ruhua

Oct.17(Sat) Combined Unit Test, Add CI @Ang

Oct.18(Sun) CheckList @Ruhua

Oct.19(Mon) Debug @Lychee @Ruhua @Ang

**DB modification**

**add column**

|  |  |
| --- | --- |
| **purpose** | Separate message from announcement |
| **Column name** | Message.type |
| **Column type** | Int(2) |
| **Column example** | 1:message  2:announcement |
| **Influence** | Need to modify the message store process, set type as 1 |

**add column**

|  |  |
| --- | --- |
| **purpose** | Store the location of the user |
| **Column name** | User.location |
| **Column type** | Varchar(50) |
| **Column example** | Rm.230 |
| **Influence** | Need to modify the userDao.js |

**add column**

|  |  |
| --- | --- |
| **purpose** | Store the time of user changed the status |
| **Column name** | User.gmt\_status |
| **Column type** | Int(11) |
| **Column example** | 1444865060 |
| **Influence** | Need to modify the login and register process, set the default time as the login time |

**add column**

|  |  |
| --- | --- |
| **purpose** | Store the location of an announcement |
| **Column name** | Message.location |
| **Column type** | Varchar(50) |
| **Column example** | Rm.230 |
| **Influence** | Need to modify the message store process, set this column as '' |

**add column**

|  |  |
| --- | --- |
| **purpose** | Store if the user is online |
| **Column name** | User.is\_online |
| **Column type** | int(2) |
| **Column example** | 0:offline  1:online |
| **Influence** | the code in iteration 1, change the status to is\_online |

**modify column**

|  |  |
| --- | --- |
| **purpose** | Store the different status of user |
| **Column name** | User.status |
| **Column type** | Int(2) |
| **Column example** | 0: status not defined  1:ok  2:help  3:emergency |
| **Influence** | the code in iteration 1, change the status to is\_online |

**Change status**

Listening socket: identify status, load status

Change status: front-end send data: username and status(0:undefined, 1:ok, 2:help,3:emergency), don’t need to consider if user is online or offline

Back-end capture the status and username, does database operation: update user set status = xx where username = xx;

**Others**

modify the welcome message from alert to the format like announcement

**Questions to ask**

Do we need to identify status for the offline user?

Yes

For the location, do we just provide a text for user enter or we get the location of the user from GPS?

No, this will come in later iteration.