**Notify Users Use case**

**1 Brief Description**

This use case describes how the app notifies users.

**2 Actors**

**2.1 Users**

**2.2 App**

**3 Preconditions**

Some events happened, includes Users compared diagram, upload files or annotated diagrams.

Users should login to the app.

**4 Basic Flow of Events**

1. The use case begins when user A login to the app.

2. User A compared his /her diagram to another diagram made by User B, and there will be a compare report or new diagram. Or User A annotates another diagram made by User B.

3. The app asks whether user A will send a notification to all other users.

4. User A selects no, then app only send notification to user B.

5. User B login to the app.

6. The app prompt a message, “You have a new notification”.

7. User B enters into his/her notifications.

8. User B click the top notification, he/she will see “User A annotates in your diagram” or “User A compares his/her diagram with yours”.

9. The use case ends successfully.

**5 Alternative Flows**

1. The use case begins when user A login to the app.

2. User A compared his /her diagram to another diagram made by User B, and there will be a compare report or new diagram. Or User A annotates another diagram made by User B.

3. The app asks whether user A will send a notification to all other users.

4. User A selects yes, then app will send notification to all other users.

5. User C login to the app.

6. The app prompt a message, ‘You have a new notification’.

7. User C enters into his/her notifications.

8. User C click the top notification, he/she will see “User A annotates in User B’s diagram “ or “User A compares his/her diagram with User B’s”.

9. The use case ends successfully.

**6 Post-conditions**

**6.1 Successful Completion**

A notification has been sent to user.

**6.2 Failure Condition**

Notification failed to be sent to user for some errors.

**7 Special Requirements**

After some events happened, by default, the notification will only be sent to the user who takes part in the event.