Documenting Use Case

I. User posts a Tuit

1. Use case name – User posts a Tuit.
2. Description – A user can create a Tuit which will appear on their Profile Screen. The created Tuit will include details such as PostedBy(user details) PostedOn (Date and Time) etc. The tuit can be edited within 5 minutes of creation, and it can be deleted at any point of time. The tuit can have hashtags present in them and they can be searched.
3. Actors involved – The main actors involved in this action include the User posting the Tuit. The Tuit can further be liked, retuited and replied on and these can involve original user and new users. The Tuit and the ProfileScreen are also involved to post the Tuit.
4. Preconditions – The user must have signed up for an account and logged into it in order to post a Tuit. While signing up some mandatory data is entered by the user which appears on the profile screen along with previous tuits that the user posted.
5. Actor and System actions – The user posts the tuit which is the actor action. When the user posts the tuit, it is added on to their profile which is the system action. The tuit can be edited upto 5 minutes and deleted at any time. These are some of the actions that can be performedby the user with respect to posting a tuit.
6. Postconditions – The tuit that can be posted can be edited with 5 minutes or deleted at any given time. The tuit that has been posted can be liked and unliked by other users. It can be added or removed from the bookmarks of another user. The tuit can have replied from the same user or other users which will also count as tuits.

II. User likes a Tuit

1. Use case name – User Likes a Tuit
2. Description – User can like a Tuit by another user or their own tuit at any point of time after it has been created. The like can also be removed from the Tuit whenever it is required. When a post is liked, the heart turns to red and the count increases. The count next to the heart depicts the number of likes a tuit receives.
3. Actors involved – The actors involved in this are the user who likes a tuit and the user who has posted the tuit. Once the like is posted, the userID of the like is recorded and is displayed when the number next to the heart is clicked.
4. Preconditions – The user must have signed up for an account and logged into it in order to like a Tuit. The tuit liked must have been posted earlier.
5. Actor and System actions – The user posts the like which is the actor action. The like is recorded and the user ID is stored in the TuitStats. The counter next to the heart is incremented. These are the system actions.
6. Postconditions – The posted like can be remove at any time. The like is removed from the records and the user ID is removed from the TuitStats. The counter next to the heart is decremented.

III. User replies to a Tuit

1. Use case name – User replies to a Tuit
2. Description - – User can reply to a Tuit by another user or their own tuit at any point of time after it has been created. They can also be removed from the Tuit whenever it is required.

When a post has a reply, the counter increases. The count next to the comment icon depicts the number of comments a tuit has.

3. Actors involved - The actors involved in this are the user who replied to a tuit and the user who has posted the tuit. Once the reply is posted, the userID of the reply and the reply is recorded and is displayed when the number next to the comment icon is clicked. The reply also also as its own tuit and follows the same actions as posting a tuit.

4. Preconditions - The user must have signed up for an account and logged into it in order to reply to a Tuit. The tuit must have been posted earlier in order to reply to it.

5. Actor and System actions - The user posts the reply which is the actor action. The reply is recorded and the userID is stored in the TuitStats. The reply is also added to the tuits of the user posting it. The counter next to the comment icon is incremented. These are the system actions.

6. Postconditions - The posted reply can be removed at any time. The reply is removed from the records and the user ID is removed from the TuitStats. The counter next to the comment is decremented. The reply is recorded in the users profile as tuit and it can have further replies.

IV.   User bookmarks a Tuit

1. Use case name – User Bookmarks a Tuit
2. Description - User can bookmark a Tuit by another after it has been created. The bookmarked tuit can also be removed. When a post is bookmarked, it is added to the users bookmark page.
3. Actors involved - The actors involved in this are the user who bookmarked the tuit and the user who has posted the tuit.
4. Preconditions - The user must have signed up for an account and logged into it in order to reply to a Tuit. The tuit must have been posted earlier in order to bookmark it.
5. Actor and System actions – The user bookmarks the tuit which is the actor action. The tuit is added to the bookmark page and can be view by clicking it. This is done in the system.
6. Postconditions – The bookmarked tuits can be viewed in the bookmarked page. The tuits that are no longer required can be removed from the page.

V.   User follows another user

1. Use case name – User Follows another User
2. Description - A user follows another user thereby they are added to their following list. When they are followed, their tuits and retuits will pop up on the feed. These posts can be liked, retuited and commented on.
3. Actors involved – The actors involved are the user being followed and the user following the the other user.
4. Preconditions - The user must have signed up for an account and logged into it in order to follow another user.
5. Actor and System actions – The actor action is the user1 clicking on follow for the other user2. The user2 is then added to the list of accounts that user1 is following. User1 is added to the list of accounts that follow user2.
6. Postconditions – If user1 unfollows user2, user2 is removed from user1's following list and user1 is removed from user2's follower list. Further, once user1 follows user2, they get user2's posts on their feed.

VI.   User messages another user

1. Use case name – User Messages another User
2. Description – A user has the option to send a private direct message to another user. When user1 sends a message to user2, a chat is created in the inbox of both users and they can communicate in that further.
3. Actors involved – The actors involved in this are the two users, user1 who is initating the message and user2 who receives the message.
4. Preconditions - The user must have signed up for an account and logged into it in order to send a message to another user.
5. Actor and System actions - The actor action is the user1 sending a message to the other user2. The user2 then receives the message in their inbox with a notification. Both user1 and user2 are added to each other's inbox to continue communicating.
6. Postconditions – User2 may choose to reply to the message, ignore it or report it if it is spam. User1 can also delete the message for themselves or for everyone if they send if they no longer want user2 to see that message. The chat can also be deleted from the inbox.