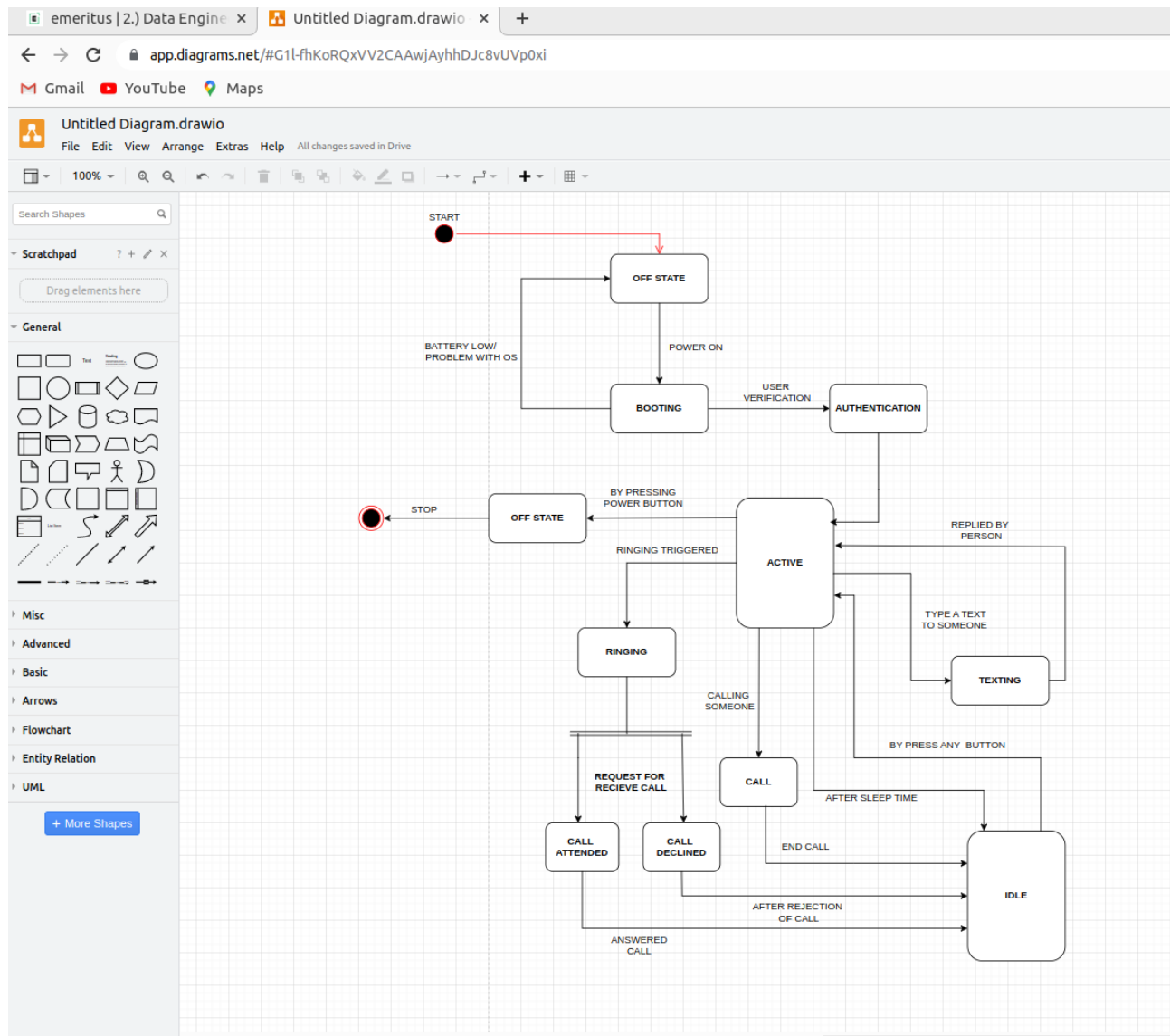


## ASSIGNMENT 1.6:

Name: Osama Abdul Razzak (2303.KHI.DEG.029)

Pair Name: Rahima Siddiqui(2303.KHI.DEG.030)

### UML STATE DIAGRAM OF MOBILE PHONE



In the beginning, phone is in off state and after pressing power button, it will move into booting state and then it will move into Authentication state, in which user verification is required, after verification by user, it will move into the Active state

In Active state, if phone is not used for more than it sleep time than it will move to Idle state or stand by state

In Active state, if the phone ringing, then there will be two possible situation, either phone call is attended or declined and after that event phone will move to idle state

Calling someone event is also occur in Active state and after that event, phone will go into the idle state

Texting and reply by someone also occur Active state