#### ChatClass

- +ph\_number:Integer #message:Message\_type
- +add\_number()
- +remove\_number()
  +get\_message()
  +get\_notification(

### ChatHistoryClass

- +sender:String NOT NULL +acknowlegement:read\_only
- +clear\_chat() <mark>1</mark>-getmsg\_list()

# **UserClass**

-username:String NOT NULL -password:String NOT NULL -email\_id:String

-signup() -signin()

Search

Sends

# GroupChatClass

- +group\_name:String #message:message\_type
- +create\_group()
- +add\_group() +add\_friend()

- +get\_message()
  +get\_notification()
- +remove\_friend()
- +remove\_group()

+username:String #first\_name:String +ph\_number:Integer +email\_id:String

create\_account() +view\_profile() +get\_notification() +changeph\_number() +change\_password() +logout()