**Variables in Supplier Class:**

**first\_name**: The first name of the supplier. Char, max\_length=30

**last\_name**: The last name of the supplier. Char, max\_length=30

**phone\_number**: The phone number of the supplier. Char, max\_length=12

**email**: The email address of the supplier.

**business\_name**: The business of the supplier. Char, max\_length=30

**ABN**: Australian Business Number. Char, max\_length=11

**ACN**: Australian Company Number. Char, max\_length=9

**landline\_no**: The landline number of the supplier. Integer

**address**: The address of home living. Text

**username**: The username of the supplier’s account. Char, max\_length=30

**password**: The password of the supplier’s account. Char, max\_length=1000

**salt**: The value of salt in password encryption. Char, max\_length=300

**iteration**: The value of iteration in password encryption. Integer

**token**: Random value bound to the supplier’s account. Char, max\_length=500

**Variables in Order Class:**

**title**: The title name of the order. Text

**customer\_id**: The unique ID of the customer. Foreign Key

**supplier\_id**: The unique ID of the supplier. Foreign key

**date**: The date time of the order. DateTime

**order\_state**: The status of the order. Text #in progress, completed, closed

**description**: The description of the order. Text

**category**: The different categories of the order. Char, max\_length

**budget**: The budget of the order. Float

**suburb**: The suburb requirement of the order. Text

**Variables in Quote Class:**

**order\_id**: The unique ID of the order. Foreign key

**customer\_id**: The unique ID of the customer. Foreign Key

**supplier\_id**: The unique ID of the supplier. Foreign key

**budget**: The budget of the order for different suppliers. Float

**quote\_state**: The status of the order for different suppliers. Text #pending, accept, reject

**comment**: The additional comment of the order for different suppliers. Char

**date**: The date time of the order. DateTime

**EditDate**: Used to change the status of quotes. Not used for interaction with the front-end.

**Variables in Message Class:**

**customer\_id**: The unique ID of the customer. Foreign Key

**supplier\_id**: The unique ID of the supplier. Foreign key

**customer\_name**: The first name of the customer. Char, max-length=30

**sender**: The user currently sending the message, it can be supplier or customer. Char, max-length=30

**date**: The date time of the order. DateTime

**content**: The content of the message. Text

**last\_conversion**: Determine whether it is the latest news. Boolean