DATA Dictionary

1- ENTITIES

1- Student: User of the system

Attributes:

StudentID (Primary Key)
FirstName
LastName
Address
TelNumber

2- Account: Identity created for the students in the Messaging App

Attributes:

AccountID (Primary Key)
AccountName
AccountPassword

3- Sender_Student: Student sending the message.

4- Receipient_Student: Student receiving the message.
Both the Sender and the Receipient student are generalization of the student entity.

5- Message: Contains the information being sent or received.

Attributes:

MessageID (Primary Key)
MessageDescription
MessageTime
MessageDate

2- RELATIONSHIPS

1- SignUp: This relationship exists between the Student and his/ her account enabling the student to register on the platform. Additionally, it allows the student's information to be stored on the platform's database.

2- Send: It relates the Sender and the message entities. It has two properties which are: sent and unsent
The sent property signals the Sender if his/her message has been successfully sent. On the other hand, the unsent property signals unsuccessfully sent messages.

3- Read: It relates the Receiver and the message entities. It has two properties which are: read and unread

The read and unread indicates to the Sender whether the receiver effectively received the message or not respectively.