Test Category: Unit	Description: Test to check that the user table exists and is working as intended.		
Test Case: 1.0	Case Name: User	Version: 1.0	Written By: William Strong
Requirements Fulfilled: 3.1.1.1	Purpose: To ensure that the User table is available to be used by the Strome Infusion application.		

Setup Conditions:
- Login into virtual machine: strome-mgmt.cs.odu.edu
- Connect to the database by running the following: psql –d strome_infusion

	Test Case Activity	Pass/Fail	Comments	Expected Result
1	Execute statement '\d+ "user"'			Description of the "user" table will be displayed which includes the field names, indexes, and constraints.
2	Ensure that all of the fields, indexes, and constraints match requirement 3.1.1.1			All fields, indexes, and constraints will match what is described in requirement 3.1.1.1
3	Execute the following statement: insert into "user" (email, first_name, last_name, account_type_id) values ('jsmith@email.com', 'Jane', 'Smith', 1);			A new record will be created in the "user" table.
4	Execute the following statement: select * from "user" order by user_id desc;			The record inserted in step 3 will be displayed at the top with a unique "user_id" value and a "create_dttm" value that matches the current date.

3.1.1.1 User Table

1. user_id
   a. Unique identifier for each user
   b. BigSerial
   c. Primary Key
   d. Must auto-increment starting at 1
2. last_name
   a. Last name of the user

b. Text
    c. Not Null
3. first_name
        a. First name of the user
        b. Text
        c. Not Null
4. email
        a. Email address of the user
        b. Text
        c. Not Null
        d. Must be unique
5. password
        a. User password for authentication
        b. Text
        c. Not Null
6. register_dttm
        a. Date and time the user registers
        b. Timestamp
        c. Null
7. create_dttm
        a. Date and time the record is created
        b. Timestamp
        c. Not Null
        d. Default: SYSDATE
8. account_type_id
        a. Identifies the account type of the user (Student, Admin, etc…)
        b. Integer
        c. Foreign key to Account_Type (account_type_id)
        d. Not Null
9. approved_dttm
        a. Date and time the user is approved to use the application
        b. Timestamp
        c. Null
10. approved_user_id
        a. Identifies the administrative user who approves the user
        b. Integer
        c. Null
        d. Foreign key to User (user_id)
11. disabled_dttm
        a. Date and time the user is disabled from using the application
        b. Timestamp
        c. Null
12. disabled_user_id
        a. Identifies the administrative user who disables the user
        b. Integer
        c. Null
        d. Foreign key to User (user_id)
13. gcm_token
        a. Used for web service authentication
        b. Text
        c. Null