

Test Category: Unit		Description: Test to check that the database exists and is working		
Test Case: 1.1		Case Name: User	Version: 1.0	Written By: Chris Bliss
Requirements Fulfilled: 3.1.1.3 - 9		Purpose: To ensure that the DB tables are 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+ “ventures”’			Description of the “ventures” table will be displayed which includes the field names, indexes, and constraints.
2	Ensure that all of the fields, indexes, and constraints match requirement 3.1.1.3			All fields, indexes, and constraints will match what is described in requirement 3.1.1.3
3	Execute statement ‘\d+ “skills”’			Description of the “skills” table will be displayed which includes the field names, indexes, and constraints.
4	Ensure that all of the fields, indexes, and constraints match requirement 3.1.1.4			All fields, indexes, and constraints will match what is described in requirement 3.1.1.4
5	Execute statement ‘\d+ “user_skills”’			Description of the “user_skills” table will be displayed which includes the field names, indexes, and constraints.

6	Ensure that all of the fields, indexes, and constraints match requirement 3.1.1.5			All fields, indexes, and constraints will match what is described in requirement 3.1.1.5
7	Execute statement '\d+ "venture_skills"'			Description of the "venture_skills" table will be displayed which includes the field names, indexes, and constraints.
8	Ensure that all of the fields, indexes, and constraints match requirement 3.1.1.6			All fields, indexes, and constraints will match what is described in requirement 3.1.1.6
9	Execute statement '\d+ "companies"'			Description of the "companies" table will be displayed which includes the field names, indexes, and constraints.
10	Ensure that all of the fields, indexes, and constraints match requirement 3.1.1.7			All fields, indexes, and constraints will match what is described in requirement 3.1.1.7
11	Execute statement '\d+ "company_resources"'			Description of the "company_resources" table will be displayed which includes the field names, indexes, and constraints.
12	Ensure that all of the fields, indexes, and constraints match requirement 3.1.1.8			All fields, indexes, and constraints will match what is described in requirement 3.1.1.8

13	Execute statement '\d+ "venture_resources"'			Description of the "venture_resources" table will be displayed which includes the field names, indexes, and constraints.
14	Ensure that all of the fields, indexes, and constraints match requirement 3.1.1.9			All fields, indexes, and constraints will match what is described in requirement 3.1.1.9

3.1.1.3 Ventures Table

1. venture_id
 - a. BigSerial
 - b. Primary key
 - c. Must auto-increment starting at 1
 - d. Not null
2. Description
 - a. Text
3. create_user_id
 - a. Integer
 - b. Foreign key to User (user_id)
 - c. Not null
4. create_dttm
 - a. Timestamp
 - b. Must default to SYSDATE when record is created
 - c. Not null
5. public_info
 - a. Text
6. approved_dttm
 - a. Timestamp
7. approved_user_id
 - a. Integer
 - b. Foreign key to User (user_id)

3.1.1.4 Skills Table

1. skills_id
 - a. BigSerial
 - b. Primary key
 - c. Must auto-increment starting at 1

- 2. name
 - d. Not null
 - a. Text
 - b. Must be unique
 - c. Not null
- 3. description
 - a. text
- 4. create_dttm
 - a. Timestamp
 - b. Must default to SYSDATE when record is created
 - c. Not null
- 5. create_user_id
 - a. Integer
 - b. Foreign key to User (user_id)
 - c. Not null

3.1.1.5 User Skill Table

- 1. user_skill_id
 - a. BigSerial
 - b. Primary key
 - c. Must auto-increment starting at 1
 - d. Not null
- 2. user_id
 - a. Integer
 - b. Foreign key to User (user_id) partial key (user_id, skill_id)
 - c. Not Null
- 3. skill_id
 - a. Integer
 - b. Foreign key to Skill (skill_id) partial key (user_id, skill_id)
 - c. Not null
- 4. create_dttm
 - a. Timestamp
 - b. Must default to SYSDATE when record is created
 - c. Not null
- 5. create_user_id
 - a. Integer
 - b. Foreign key to User (user_id)
 - c. Not null

3.1.1.6 Venture Skill Table

- 1. venture_skill_id
 - a. BigSerial
 - b. Primary key
 - c. Must auto-increment starting at 1
 - d. Not null
- 2. venture_id

- a. Integer
 - b. Foreign key to Ventures (venture_id) partial key (venture_id, user_skill_id)
 - c. Not Null
- 3. user_skill_id
 - a. Integer
 - b. Foreign key to User Skill (user_skill_id) partial key (venture_id, user_skill_id)
 - c. Not null
- 4. create_dttm
 - a. Timestamp
 - b. Must default to SYSDATE when record is created
 - c. Not null
- 5. create_user_id
 - a. Integer
 - b. Foreign key to User (user_id)
 - c. Not null

3.1.1.7 Companies Table

- 1. company_id
 - a. BigSerial
 - b. Primary key
 - c. Must auto-increment starting at 1
 - d. Not null
- 2. name
 - a. Text
 - b. Must be unique
 - c. Not null
- 3. description
 - a. Text
- 4. create_dttm
 - a. Timestamp
 - b. Must default to SYSDATE when record is created
 - c. Not null
- 5. create_user_id
 - a. Integer
 - b. Foreign key to User (user_id)
 - c. Not null

3.1.1.8 Company Resources Table

- 1. company_resource_id
 - a. BigSerial
 - b. Primary key
 - c. Must auto-increment starting at 1
 - d. Not null
- 2. name
 - a. Text
 - b. Must be unique

- 3. description
 - c. Not null
- 4. company_id
 - a. Text
- 5. create_dttm
 - a. Integer
 - b. Foreign key to Companies (company_id)
 - c. Not null
- 6. create_user_id
 - a. Timestamp
 - b. Must default to SYSDATE when record is created
 - c. Not null
- 7. create_user_id
 - a. Integer
 - b. Foreign key to User (user_id)
 - c. Not null

3.1.1.9 Venture Resources Table

- 1. venture_resource_id
 - a. BigSerial
 - b. Primary key
 - c. Must auto-increment starting at 1
 - d. Not null
- 2. venture_id
 - a. Integer
 - b. Foreign key to Venture(venture_id) partial key (venture_id, resource_id)
 - c. Not Null
- 3. company_resource_id
 - a. Integer
 - b. Foreign key to Company Resources (company_resource_id) partial key (venture_id, company_resource_id)
 - c. Not Null
- 4. create_dttm
 - a. Timestamp
 - b. Must default to SYSDATE when record is created
 - c. Not null
- 5. create_user_id
 - a. Integer
 - b. Foreign key to User (user_id)
 - c. Not null