**Sample Test Cases for LAB 5**

**Product Table**

**Library-1, Library-2, Library-3, Library-4**

|  |  |
| --- | --- |
| **ISBN** | **13 Unique numeric digits (13 digits)** |
| **Title** | **Text, up to 60 characters, including blanks** |
| **Copyrigh** | **Year (4 digits)** |
| **Publisher** | **Text, up to 60 characters, including blanks** |
| **AuthorLast** | **Last name of author, up to 20 characters, including blanks** |
| **AuthorFirst** | **First name of author, up to 20 characters, including blanks** |
| **AuthorMI** | **Middle initial of author (optional)** |

**Test 1:** Attempt to enter invalid ISBN into the database (both too short and too long, letters or special characters, empty)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Professors Table |  |
| 1. Click on the t ISBN, then enter the following 14 digits 1234567891023, then press tab | invalid |
| 1. Return to the ISBN, then enter the following 8 digits   01670111 | invalid |
| 1. Return to the ISBN, then enter the following 7 digits with letters or special characters   E.67011 | invalid |
| 1. Return to the ID, then enter space | invalid |
| 1. Title field accepts digits as a value | invalid |
| 1. Title field accepts symbols | invalid |
| 1. Title field accepts special characters as a value |  |
| 1. Title field accepts only 30 digits | invalid |
| 1. Copyright field accept 5 digits | invalid |
| 1. Copyright field does not accept correctly information (Window for less data) | invalid |
| 1. Copyright should not accept blank |  |
| 1. Publisher accept 62 character (Should be 60) | invalid |
| 1. Publisher accept empty field | invalid |
| 1. Publisher accepts a numeric value | invalid |
| 1. AuthorLast accepts 20 numeric | invalid |
| 1. AuthorLast accepts empty field | invalid |
| 1. Author First accepts a numeric value | invalid |
| 1. Author First accepts an empty field | invalid |
| 1. Author MI should accept only 1 Character instead it accepts 2 | invalid |
| 1. Author MI accept a numeric valie | invalid |
| 1. Author MI accepts empty field | invalid |
| 1. Author MI should accept blank data | invalid |
| 1. ID gave to late wrong | invalid |
| 1. ISBN accepts symbol and numeric(should be numeric) | invalid |
| 1. ISBN accepts characters(should be only numeric) | invalid |
| 1. ISBN accepts only 10 numbers | invalid |
| 1. ISBN accepts 0000000000 | invalid |
|  | invalid |

**Class Rooms-1, Class Rooms-2, Class Rooms-3, Class Rooms-4**

|  |  |
| --- | --- |
| Campus Abbreviation | 3 characters (A-Z) (see list of valid ACC Campus abbreviations) |
| Room | Text of 1- 8 characters |
| Start | Time Class start time |
| Stop | Time Class stop time |
| Capacity | Numeric from 1 to 150 |
| Type | L = lecture, C = Computer, A = Automotive, N = Nursing, W = Welding,  E = Electronics |

**Test 1:** Attempt to enter a valid complete record into the database

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Class Rooms Table |  |
| 1. Click on the Campus Abbreviation, then enter the following 3 characters (A-Z) list of valid ACC Campus abbreviations, then press tab |  |
| 1. Enter “CYP ”, press tab | Entry accepted |
| 1. Continue to the Room will accept 1- 8 characters |  |
| 1. Enter “231”, press tab | Entry accepted |
| 1. Continue to the Start accept Time Class start time |  |
| 1. Enter “1” ,press tab | Entry accepted |
| 1. Continue to the Stop, will accept Time Class stop time |  |
| 1. Enter “1”, press tab | Entry accepted |
| 1. Continue to the Capacity Numeric from 1 to 150 |  |
| 1. Enter “70”, press tab | Entry accepted |
| 1. Continue to the Type L = lecture, C = Computer, A = Automotive, N = Nursing, W = Welding,   E = Electronics |  |
| 1. Enter “L”, press tab | Entry accepted |
|  |  |

**Test 2:** Attempt to enter invalid/valid Campus Abbreviation into the database (short , long, special characters, empty)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Class Rooms Table |  |
| 1. Click on the Campus Abbreviation, then enter the following 3 characters “CYP”, then press tab | valid |
| 1. Return to the Campus Abbreviation, then enter “EGN” | valid |
| 1. Return to the Campus Abbreviation, then enter “HLC” | valid |
| 1. Return to the Campus Abbreviation, then enter “HYS” | valid |
| 1. Return to the Campus Abbreviation, then enter “NRG” | valid |
| 1. Return to the Campus Abbreviation, then enter “PIN” | valid |
| 1. Return to the Campus Abbreviation, then enter “RGC” | valid |
| 1. Return to the Campus Abbreviation, then enter “RRC” | valid |
| 1. Return to the Campus Abbreviation, then enter “RVS” | valid |
| 1. Return to the Campus Abbreviation, then enter “SAC” | valid |
| 1. Click on the Campus Abbreviation, then enter the following 3 characters “CAP”, then press tab | invalid |
| 1. Return to the Campus Abbreviation, then enter the following 2 characters   “CY” | invalid |
| 1. Return to the Campus Abbreviation, then enter the following special characters % | invalid |
| 1. Return to the Campus Abbreviation, then enter space | invalid |
| 1. Return to the Campus Abbreviation, then “HGHHGFJKJHGKHGKJJH” | invalid |
| 1. Return to the Campus Abbreviation, then “ ” |  |
| 1. Return to the Campus Abbreviation, then “54654654654654” |  |
| 1. Campus Abbreviation accepts more then 3 characters |  |
| 1. Campus Abbreviation accepts any characters |  |
| 1. Campus Abbreviation accepts empty field |  |

**Test 3**: Attempt to enter 8 characters for Room into the data base

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Class Rooms Table |  |
| 1. Click on the Campus Abbreviation, “CYP”, then press tab | Entry accepted |
| 1. Continue to the Class Rooms |  |
| 1. Enter ”12345678” press tab | Entry accepted |
| 1. Class Room gave wrong next 2 fields (to late ),should be on time |  |
| 1. Room accepts empty field |  |
|  |  |
| 1. Continue to the Start |  |

**Test 4:** Attempt to enter 9 characters for Room into the database

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Class Rooms Table |  |
| 1. Click on the Campus Abbreviation, “CYP”, then press tab | Entry accepted |
| 1. Continue to the Class Rooms |  |
| 1. Enter ”123456789” | Should not accept 9 |
| 1. Enter” “ empty |  |

**Test 5:** Attempt to enter **Start** time into the database

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Class Rooms Table |  |
| 1. Click on the Campus Abbreviation, “CYP”, then press tab | Entry accepted |
| 1. Continue to the Class Rooms |  |
| 1. Enter ”12345678” ,press tab | Entry accepted |
| 1. Continue to the Start Time |  |
| 1. Enter time 1 ,press tab | Entry accepted |

**Test 6:** Attempt to enter **Stop** time into the database

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Class Rooms Table |  |
| 1. Click on the Campus Abbreviation, “CYP”, then press tab | Entry accepted |
| 1. Continue to the Class Rooms |  |
| 1. Enter ”12345678” ,press tab | Entry accepted |
| 1. Continue to the Start Time |  |
| 1. Enter time 1,press tab | Entry accepted |
| 1. Continue to the Stop Time |  |
| 1. Enter time 2 , press tab | Entry accepted |

**Test 7:** Attempt to enter the some Stop time into the database

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Class Rooms Table |  |
| 1. Click on the Campus Abbreviation, “CYP”, then press tab | Entry accepted |
| 1. Continue to the Class Rooms |  |
| 1. Enter ”12345678” ,press tab | Entry accepted |
| 1. Continue to the Start Time |  |
| 1. Enter time 1,press tab | Entry accepted |
| 1. Continue to the Stop Time |  |
| 1. Enter time 2, press tab | Should not accept |

**Test 8:** Attempt to enter the Capacity Numeric from 0; 1;150 ;151into the database

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Class Rooms Table |  |
| 1. Click on the Campus Abbreviation, “CYP”, then press tab | Entry accepted |
| 1. Continue to the Class Rooms |  |
| 1. Enter ”12345678” ,press tab | Entry accepted |
| 1. Continue to the Start Time |  |
| 1. Enter time 1,press tab | Entry accepted |
| 1. Continue to the Stop Time |  |
| 1. Enter time 2 , press tab | Should not accept |
| 1. Continue to the Capacity Numeric from 1 to 150 |  |
| 1. Enter the Capacity, then 0 | invalid |
| 1. Return to the Capacity, then 1 | valid |
| 1. Return to the Capacity, then 150 | valid |
| 1. Return to the Capacity, then 151 | invalid |
| 1. Enter the Capacity, then “ “ |  |
| 1. Capacity Field any (hjg,&&\*\*,45664) Chapter,not just numeric |  |
| 1. Capacity Field accept just data format |  |
| 1. CAPACITY Field does not accept numeric. It only accept Time Format |  |
| 1. Capacity accepts empty field |  |
|  |  |
|  |  |

**Test 9** Attempt to enter the Type L = lecture, C = Computer, A = Automotive, N = Nursing, W = Welding, E = Electronics into the database

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Class Rooms Table |  |
| 1. Click on the Campus Abbreviation, “CYP”, then press tab | Entry accepted |
| 1. Continue to the Class Rooms |  |
| 1. Enter ”12345678” ,press tab | Entry accepted |
| 1. Continue to the Start Time |  |
| 1. Enter time 1,press tab | Entry accepted |
| 1. Continue to the Stop Time |  |
| 1. Enter time 2, press tab | Entry accepted |
| 1. Continue to the Capacity Numeric from 1 to 150 |  |
| 1. Enter time 150,press tab | Entry accepted |
| 1. Continue to the Type |  |
| 1. Enter L ,press tab | Entry accepted |
| 1. Return to the Type, then enter “C” | valid |
| 1. Return to the Type, then enter “A” | valid |
| 1. Return to the Type, then enter “N” | valid |
| 1. Return to the Type, then enter “W” | valid |
| 1. Return to the Type, then enter “E” | valid |
| 1. Return to the Type, then enter “H” | invalid |
| 1. Return to the Type, then enter “$” | invalid |

**Student-1, Student-2, Student-3, Student-4**

|  |  |
| --- | --- |
| Student ID | Unique Key, ID is seven digits, no letters or special characters |
| Last Name | Text field, will accept up to 25 characters, including blanks |
| First Name | Text field, will accept up to 25 characters, including blanks |
| Middle Initial | Text field, will accept only one character (optional) |
| Date Of Birth | Date field |
| Telephone | Accepts area code, exchange and number in format nnn-nnn-nnnn |
| Address | Text field, will accept up to 30 characters (letters numbers and periods ONLY) |
| City | Text field, will accept up to 20 characters, including blanks and periods |
| State | Text field, will accept two character abbreviation |
| Zip | Text field, will accept Zip Plus 4 in format zzzzz-pppp (NOTE: can be all zeroes) |

**Access Test Cases**

**Test 1:** Attempt to enter a valid complete record into the database

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Student Table |  |
| 1. Click on the Student ID, then enter the following seven digits, no letters or special characters 0167001, then press tab | Entry accepted |
| 1. Continue to the Last Name will accept up to 25 characters, including blanks |  |
| 1. Enter “Stefanova”, press tab | Entry accepted |
| 1. Continue to the First Name accept up to 25 characters, including blanks |  |
| 1. Enter “Elena”, press tab | Entry accepted |
| 1. Continue to the Middle Initial will accept only one character |  |
| 1. Enter “K”, press tab | Entry accepted |
| 1. Continue to the Date Of Birth |  |
| 1. Enter “05.26.1973”, press tab | Entry accepted |
| 1. Continue to the Telephone Accepts area code, exchange and number in format nnn-nnn-nnnn |  |
| 1. Enter “512 -986-0001”, press tab | Entry accepted |
| 1. Continue to the Address will accept up to 30 characters (letters numbers and periods ONLY) |  |
| 1. Enter “2205 S. Lakeline blv.”, press tab | Entry accepted |
| 1. Continue to the City will accept up to 20 characters, including blanks and periods |  |
| 1. Enter ”Austin”, press tab | Entry accepted |
| 1. Continue to the State will accept two character abbreviation |  |
| 1. Enter ”TX”, press tab | Entry accepted |
| 1. Continue to the Zip will accept Zip Plus 4 in format zzzzz-pppp |  |
| 1. Enter “78613” , press tab | Entry/Record accepted |

**Test 2:** Attempt to enter invalid /valid Student ID into the database (both too short and too long, letters or special characters, empty)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the Student ID, then enter the following 6 digits 016701, then press tab | invalid |
| 1. Return to the Student ID, then enter the following 7 digits 0000000 | invalid |
| 1. Return to the Student ID, then enter the following 8 digits   01670111 | invalid |
| 1. Return to the Student ID, then enter the following 7 digits with letters or special characters   E.67011 | invalid |
| 1. Return to the Student ID, then enter space | invalid |

**Test 3:** Attempt to enter invalid Last Name into the data base (short, long, number, empty)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the Student ID, then enter the following seven digits, no letters or special characters 0167001, then press tab | valid |
| 1. Click on the Last Name , then enter the following 26 characters abcdefghijklmnopqrstuvwxyz , then press tab | Should not accept the z/invalid |
| 1. Continue to the Last Name will accept up to 25 characters, including blanks |  |
| 1. Enter “Stefanova”, press tab | Entry accepted/valid |
| 1. Click on the Last Name , then enter number and space 25 , then press tab | Should not accept/invalid |
| 1. Click on the Last Name , then enter space , then press tab | Should not accept/invalid |

**Test 4:** Attempt to enter invalid First Name into the data base (short, long, number, empty)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the First Name, then enter the following 26 characters abcdefghijklmnopqrstuvwxyz , then press tab | Should not accept the z/invalid |
| 1. Click on the Student ID, then enter the following seven digits, no letters or special characters 0167001, then press tab | Entry accepted |
| 1. Continue to the Last Name will accept up to 25 characters, including blanks |  |
| 1. Enter “Stefanova”, press tab | Entry accepted |
| 1. Continue to the First Name accept up to 25 characters, including blanks |  |
| 1. Enter “Elena”, press tab | Entry accepted |
| 1. Click on the First Name, then enter the following 25 characters abcdefghijklmnopqrstuvwxy , then press tab | Entry accepted/valid |
| 1. Click on the First Name, then enter number and space 25 , then press tab | Should not accept/invalid |
| 1. Click on the First Name, then enter space , then press tab | Should not accept/invalid |

**Test 5:** Attempt to enter invalid Middle Name into the data base (long, number, empty, symbol)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the Middle Name, then enter the following 2 characters ks , then press tab | Should not accept the s/invalid |
| 1. Click on the Student ID, then enter the following seven digits, no letters or special characters 0167001, then press tab | Entry accepted |
| 1. Continue to the Last Name will accept up to 25 characters, including blanks |  |
| 1. Enter “Stefanova”, press tab | Entry accepted |
| 1. Continue to the First Name accept up to 25 characters, including blanks |  |
| 1. Enter “Elena”, press tab | Entry accepted |
| 1. Continue to the Middle Initial will accept only one character |  |
| 1. Enter “K”, press tab | Entry accepted |
| 1. Click on the Middle Name, then enter the following 1characters K , then press tab | Entry accepted/valid |
| 1. Click on the Middle Name, then enter number 2, then press tab | Should not accept/invalid |
| 1. Click on the Middle Name, then enter space , then press tab | Should not accept/invalid |
| 1. Click on the Middle Name, then enter symbol”&” , then press tab | Should not accept/invalid |
| 1. Middle Initial field accepts digits as a value |  |
| 1. Middle Initial field accepts requires entering a value |  |

**Test 6:** Attempt to enter Date Of Birth into the data base (should be m/d/y )

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the Date Of Birth, then enter the following 05.26.1980 , then press tab | Entry accepted |
| 1. Click on the Student ID, then enter the following seven digits, no letters or special characters 0167001, then press tab | Entry accepted |
| 1. Continue to the Last Name will accept up to 25 characters, including blanks |  |
| 1. Enter “Stefanova”, press tab | Entry accepted |
| 1. Continue to the First Name accept up to 25 characters, including blanks |  |
| 1. Enter “Elena”, press tab | Entry accepted |
| 1. Continue to the Middle Initial will accept only one character |  |
| 1. Enter “K”, press tab | Entry accepted |
| 1. Continue to the Date Of Birth |  |
| 1. Enter “05.26.1973”, press tab | Entry accepted |
| 1. Click on the Date Of Birth, then enter the following 05/26/1980 , then press tab | Entry accepted |
| 1. Click on the Date Of Birth, then enter 1975/02/16, then press tab | Should not accept |
| 1. Click on the Date Of Birth, then enter space , then press tab | Should not accept |
| 1. Click on the Date Of Birth, then enter symbol”&” , then press tab | Should not accept |

**Test 7:** Attempt to enter Telephone into the data base (longer, shorter, wrong area code)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the Telephone, then enter the following area code, exchange and number in format nnn-nnn-nnnn 512 986-0001, then press tab | Entry accepted |
| 1. Click on the Student ID, then enter the following seven digits, no letters or special characters 0167001, then press tab | Entry accepted |
| 1. Continue to the Last Name will accept up to 25 characters, including blanks |  |
| 1. Enter “Stefanova”, press tab | Entry accepted |
| 1. Continue to the First Name accept up to 25 characters, including blanks |  |
| 1. Enter “Elena”, press tab | Entry accepted |
| 1. Continue to the Middle Initial will accept only one character |  |
| 1. Enter “K”, press tab | Entry accepted |
| 1. Continue to the Date Of Birth |  |
| 1. Enter “05.26.1973”, press tab | Entry accepted |
| 1. Continue to the Telephone Accepts area code, exchange and number in format nnn-nnn-nnnn |  |
| 1. Enter “512 -986-0001”, press tab | Entry accepted |
| 1. Click on the Telephone, then enter longer 512 986-00011 , then press tab | Should not accept 1/invalid |
| 1. Click on the Telephone, then enter shorter 512 986-000 , then press tab | Should not accept/invalid |
| 1. Click on the Telephone, then enter wrong area code 012 986-0001 , then press tab | Should not accept/invalid |

**Test 8:** Attempt to enter invalid Address into the database (short , long,3 characters , empty,symbols)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the Address, then enter the following 30 characters abcdefghijklmnopqrstuvwxy123456   , then press tab | Should not accept 6 |
| 1. Open the database, then open the Student Table |  |
| 1. Click on the Student ID, then enter the following seven digits, no letters or special characters 0167001, then press tab | Entry accepted |
| 1. Continue to the Last Name will accept up to 25 characters, including blanks |  |
| 1. Enter “Stefanova”, press tab | Entry accepted |
| 1. Continue to the First Name accept up to 25 characters, including blanks |  |
| 1. Enter “Elena”, press tab | Entry accepted |
| 1. Continue to the Middle Initial will accept only one character |  |
| 1. Enter “K”, press tab | Entry accepted |
| 1. Continue to the Date Of Birth |  |
| 1. Enter “05.26.1973”, press tab | Entry accepted |
| 1. Continue to the Telephone Accepts area code, exchange and number in format nnn-nnn-nnnn |  |
| 1. Enter “512 -986-0001”, press tab | Entry accepted |
| 1. Continue to the Address will accept up to 30 characters (letters numbers and periods ONLY) |  |
| 1. Enter “2205 S. Lakeline blv.”, press tab | Entry accepted |
| 1. Click on the Address, then enter the following 31 characters , then press tab | Should not accept /invalid |
| 1. Click on the Address, then enter space , then press tab | Should not accept/invalid |
| 1. Click on the Address, then enter symbols // , then press tab | Should not accept // invalid |

**Test 9:** Attempt to enter invalid City into the database (short , long, 1 characters , empty,symbols)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the City, then enter the following 20 characters abcdefghijklmnopqrstu   , then press tab | Should not accept u |
| 1. Click on the City, then enter the following 1 characters , then press tab | Should not accept |
| 1. Click on the Address, then enter space , then press tab | Should not accept |
| 1. Click on the Address, then enter symbols // , then press tab | Should not accept // |

**Test 10:** Attempt to enter invalid City into the database (short , long, 1 characters , empty,symbols)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the City, then enter the following 21 characters abcdefghijklmnopqrstu   , then press tab | Should not accept u |
| 1. Click on the City, then enter the following 1 characters , then press tab | Should not accept |
| 1. Click on the City, then enter space , then press tab | Should not accept |
| 1. Click on the City, then enter symbols // , then press tab | Should not accept // |

**Test 11:** Attempt to enter invalid State into the database (short , long, , empty, symbols)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the State, then enter the following 3 characters txu   , then press tab | Should not accept u |
| 1. Click on the State, then enter the following 1 characters t , then press tab | Should not accept |
| 1. Click on the State, then enter space , then press tab | Should not accept |
| 1. Click on the State, then enter symbols // , then press tab | Should not accept // |

**Test 12:** Attempt to enter invalid Zip code into the database (short , long, , empty, symbols)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Students Table |  |
| 1. Click on the Zip code, then enter the following accept Zip Plus 5 in format zzzzz-pppp 00000, then press tab | Entry accepted |
| 1. Click on the Zip code, then enter the following accept Zip Plus 5 in format zzzzz-pppp 786135, then press tab | Should not accept 5 |
| 1. Click on the Zip code, then enter the following accept Zip Plus 3 in format zzzzz-pppp 7861, then press tab | Should not accept |
| 1. Click on the Zip code, then enter space , then press tab | Should not accept |
| 1. Click on the Zip code, then enter symbols // , then press tab | Should not accept // |

**Courses-1, Courses-2, Courses-3, Courses-4**

|  |  |
| --- | --- |
| Synonym | Unique 5 digit field |
| Rubric | Text of 4 characters (A- Z) |
| Number | Text of 4 numbers |
| Description | Text of up to 50 characters, including blanks |
| CreditHrs | Text (Credits-lecture-lab EX: 3-3-1, 4-3-3, etc) |
| Pre-Req1 | Text of up to 8 characters (may be blank) |
| Pre-Req2 | Text of up to 8 characters (may be blank) |
| Lab Fee | Y/N (check box) |
| Lab Fee | Amt Amount of lab fee in currency (Required – enter 0 if no fee required) |
| (Negative amounts are not allowed, and the maximum amount is $99.99) | |

**Test 1:** Attempt to enter a valid complete record into the database

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Courses Table |  |
| 1. Click on the Synonym, then enter the following 5 digit |  |
| 1. Enter “12345 ”, press tab | Entry accepted |
| 1. Continue to the Rubric will accept 4 characters |  |
| 1. Enter “ABCD”press tab | Entry accepted |
| 1. Continue to the Number 4 numbers |  |
| 1. Enter “1234” ,press tab | Entry accepted |
| 1. Continue to the Description 50 characters |  |
| 1. Enter “zxcvbnmm”, press tab | Entry accepted |
| 1. Continue to the CreditHrs from Credits-lecture-lab EX: 3-3-1, 4-3-3, etc |  |
| 1. Enter “3-3-1”, press tab | Entry accepted |
| 1. Continue to the Pre-Req1 8 characters |  |
| 1. Enter “abc”, press tab | Entry accepted |
| 1. Continue to the Pre-Req2 8 characters |  |
| 1. Enter “abc”, press tab | Entry accepted |
| 1. Lab Fee Y/N (check box) |  |
| 1. Enter “Y”, press tab | Entry accepted |
|  |  |
|  |  |

**Test 2:** Attempt to enter invalid Synonym into the database ( 6 digit,2 digit,%,space)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Courses Table |  |
| 1. Click on the Synonym, then enter the following 6 digit “123456”, then press tab | Should not accept 6 |
| 1. Return to the Synonym, then enter the following 2 digit “12” | Entry accepted |
| 1. Return to the Synonym, then enter the following special characters % | Error – Entry not accepted |
| 1. Return to the Synonym, then enter space | Error – Entry not accepted |

**Test 3:** Attempt to enter invalid Rubric into the database ()

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Courses Table |  |
| 1. Click on the Rubric, then enter the following 6 digit “123456”, then press tab | Should not accept 6 |

|  |  |
| --- | --- |
| 1. Click on the Synonym, then enter the following 5 digit |  |
| 1. Enter “12345 ”, press tab | Entry accepted |
| 1. Continue to the Rubric will accept 4 characters |  |
| 1. Enter “ABCD”press tab | Entry accepted/valid |

|  |  |
| --- | --- |
| 1. Return to the Rubric, then enter the following “ABCd” | invalid |
| 1. Return to the Rubric, then enter the following special characters % | invalid |
| 1. Return to the Rubric, then enter space | invalid |

**Test 4:** Attempt to enter invalid Number into the database ()

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Courses Table |  |

|  |  |
| --- | --- |
| 1. Click on the Synonym, then enter the following 5 digit |  |
| 1. Enter “12345 ”, press tab | Entry accepted |
| 1. Continue to the Rubric will accept 4 characters |  |
| 1. Enter “ABCD”press tab | Entry accepted |
| 1. Continue to the Number 4 numbers |  |
| 1. Enter “1234” ,press tab | Entry accepted |

|  |  |
| --- | --- |
| 1. Return to the Number, then enter the following “12345” | invalid |
| 1. Return to the Number, then enter the following special characters % | invalid |
| 1. Return to the Number, then enter space | invalid |
| 1. Return to the Number, then enter 0000 | valid |

**Test 5:** Attempt to enter invalid Number into the database ()

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Courses Table |  |

|  |  |
| --- | --- |
| 1. Click on the Synonym, then enter the following 5 digit |  |
| 1. Enter “12345 ”, press tab | Entry accepted |
| 1. Continue to the Rubric will accept 4 characters |  |
| 1. Enter “ABCD”press tab | Entry accepted |
| 1. Continue to the Number 4 numbers |  |
| 1. Enter “1234” ,press tab | Entry accepted |
| 1. Continue to the Description 50 characters |  |
| 1. Enter “zxcvbnmm”, press tab | Entry accepted |

|  |  |
| --- | --- |
| 1. Return to the Description, then enter the following “g” | valid |
| 1. Return to the Description, then enter the following special characters % | invalid |
| 1. Return to the Description, then enter space | invalid |
| 1. Return to the Description, then enter 51 characters”abdddddd………” | invalid |

**Test 6:** Attempt to enter invalid CreditHrs into the database ()

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Courses Table |  |

|  |  |
| --- | --- |
| 1. Click on the Synonym, then enter the following 5 digit |  |
| 1. Enter “12345 ”, press tab | Entry accepted |
| 1. Continue to the Rubric will accept 4 characters |  |
| 1. Enter “ABCD”press tab | Entry accepted |
| 1. Continue to the Number 4 numbers |  |
| 1. Enter “1234” ,press tab | Entry accepted |
| 1. Continue to the Description 50 characters |  |
| 1. Enter “zxcvbnmm”, press tab | Entry accepted |
| 1. Continue to the CreditHrs from Credits-lecture-lab EX: 3-3-1, 4-3-3, etc |  |
| 1. Enter “3-3-1”, press tab | Entry accepted |

|  |  |
| --- | --- |
| 1. Return to the CreditHrs, then enter the -3-3 | invalid |
| 1. Return to the CreditHrs, then enter the 0-0-0 | valid |
| 1. Return to the CreditHrs, then enter   21-3-3 | invalid |
| 1. Return to the CreditHrs, then enter 4-4-4-4 | invalid |

**Professors-1, Professors-2, Professors-3, Professors-4**

|  |  |
| --- | --- |
| ID | Unique Key, ID is seven digits, no letters or special characters |
| Department | Text of 4 characters (A-Z) |
| Last Name | Text field, will accept up to 25 characters, including blanks |
| First Name | Text field, will accept up to 25 characters, including blanks |
| Middle Initial | Text field, will accept only one character (optional) |
| Title | Text field will accept up to 20 characters |
| Telephone | Accepts area code, exchange and number in format nnn-nnn-nnnn |

**Test 1:** Attempt to enter invalid ID into the database (both too short and too long, letters or special characters, empty)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Professors Table |  |
| 1. Click on the t ID, then enter the following 6 digits 016701, then press tab | invalid |
| 1. Return to the ID, then enter the following 8 digits   01670111 | invalid |
| 1. Return to the ID, then enter the following 7 digits with letters or special characters   E.67011 | invalid |
| 1. Return to the ID, then enter space | invalid |
| 1. Return to the ID, then enter 0000000 | invalid |

**Campus-1, Campus-2, Campus-3, Campus-4**

|  |  |  |
| --- | --- | --- |
| Campus - | | Unique Key Abbreviation - 3 characters (see list of valid ACC Campus abbreviations) |
| Name | | Text up to 30 characters, including blanks |
| Address | | Text field, will accept up to 30 characters |
| City | | Text field, will accept up to 20 characters, including blanks and periods |
| State | | Text field, will accept two character abbreviation |
| Zip  zeroes) | | Text field, will accept Zip Plus 4 in format zzzzz-pppp (NOTE: can be all |
| Manager Campus | | Manager phone (nnn-nnn-nnnn) |
| Parking | | Number of parking spaces (integer) (1 or more) |
| Weekend | Weekend College (Y/N) | |

**Test 1:** Attempt to enter invalid Campus into the database (short , long, special characters, empty)

|  |  |
| --- | --- |
| **Steps:** | **Expected Results** |
| 1. Open the database, then open the Class Rooms Table |  |
| 1. Click on the Campus, then enter the following 3 characters “CYP”, then press tab | valid |
| 1. Return to the Campus, then enter “EGN” | valid |
| 1. Return to the Campus, then enter “HLC” | valid |
| 1. Return to the Campus Abbreviation, then enter “HYS” | valid |
| 1. Return to the Campus, then enter “NRG” | valid |
| 1. Return to the Campus, then enter “PIN” | valid |
| 1. Return to the Campus, then enter “RGC” | valid |
| 1. Return to the Campus, then enter “RRC” | valid |
| 1. Return to the Campus, then enter “RVS” | valid |
| 1. Return to the Campus, then enter “SAC” | valid |
| 1. Click on the Campus, then enter the following 3 characters “CAP”, then press tab | invalid |
| 1. Return to the Campus, then enter the following 2 characters   “CY” | invalid |
| 1. Return to the Campus, then enter the following special characters % | invalid |
| 1. Return to the Campus, then enter space | invalid |
| 1. address field accepts only 25 characters |  |
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