**[Lab 4](https://acconline.austincc.edu/webapps/assignment/uploadAssignment?content_id=_9335054_1&course_id=_752851_1&assign_group_id=&mode=view)**

Attached Files:

* [[File](https://acconline.austincc.edu/bbcswebdav/pid-9335054-dt-content-rid-19555156_1/xid-19555156_1) ACC CAMPUS ABBREVIATIONS.pdf](https://acconline.austincc.edu/bbcswebdav/pid-9335054-dt-content-rid-19555156_1/xid-19555156_1) (91.011 KB)
* [[File](https://acconline.austincc.edu/bbcswebdav/pid-9335054-dt-content-rid-19555157_1/xid-19555157_1) Sample Test Cases.docx](https://acconline.austincc.edu/bbcswebdav/pid-9335054-dt-content-rid-19555157_1/xid-19555157_1) (23.387 KB)
* [[File](https://acconline.austincc.edu/bbcswebdav/pid-9335054-dt-content-rid-19555158_1/xid-19555158_1) Registration System Specifications - Version 1.pdf](https://acconline.austincc.edu/bbcswebdav/pid-9335054-dt-content-rid-19555158_1/xid-19555158_1) (189.761 KB)

Check schedule for due date

**Objective:**

In this lab you will be developing test cases based upon specifications for the fields within a specific table within an Access Database. Your assignment is to design test cases to adequately test both VALID and INVALID entries in EACH field for your assigned table.  You will not have access to the Access Database for this lab.

**Steps for success:**

1. Please watch the following YouTube Video for an overview of how the Access test cases and Bugzilla interact (<http://youtu.be/f6nDdabxyPs>)

2. The table you have been assigned can be determined by clicking on "My Grades" on the left hand column of Blackboard, then looking in the Grade Center under the column "Bugzilla Table". This can be cross referenced to your assigned "Table" in the database by looking at the attached file named "Registration System Specifications - Version 1.pdf".  *NOTE*: You will not be using Microsoft Access until Lab 5, but if you have not yet downloaded Access or located a computer with Access you will need to resolve that prior to beginning Lab 5.

3. Access will test the entry in the "primary key field" when you press "tab" to go to the next field.  The subsequent fields are not guaranteed to be tested until the entire record has been finished and "enter" is pressed.  The technique to use to design the tests is to start with the primary field then work your way to the end of the record introducing errors one field at a time.

4. An example of this testing technique is provided in the file "Sample Test Cases.docx".  Note that fields are tested from left to right using the technique described above.  If you have a list of specific valid entries for a particular field (eg: Campus names), you need to be sure to test ALL valid entries and at least one invalid entry.  When testing for an invalid entry a "failure" detected by the database is actually a "success" for the test case.  If you need to refer to ACC Campus abbreviations see the file "ACC CAMPUS ABBREVIATIONS.pdf" for the valid abbreviations.

5. When you have finished designing your test cases, please submit them via the assignment link in Blackboard.  Once you submit this file you will not be able to view Lab 5 until Lab 4 has been graded so that you can make any necessary corrections to your test cases before you actually begin Lab 5.