**CIS 285: Software Engineering Tools**

**University of Michigan – Dearborn**

**Lab 5**

**Test Automation and Defect Management**

Due Date: Thursday 10/05 – Submission is due by 11:59 pm on Canvas

Laboratory tasks:

**Test Automation and Defect Report**

1. Download and Install Katalon Studio <https://www.katalon.com/download/>
2. Create a Katalon account
3. Create a Katalon Testing Project
4. Manual test <http://www.shino.de/parkcalc>
5. Record the test and catch objects
6. Replay the recorded test
7. Edit the scripts to achieve the following
   * 1. Add variables EntryDate, EntryTime, ExitDate, ExitTime and ExpectedCost
     2. First hardcode the variables to make sure the script still work
     3. Create an Excel and add it in the Test Data
     4. Add For loop in the script and assign variables from Excel data
8. Run the new test scripts and make sure they are working as expected
9. Follow bug writing guidelines to document any bug.

Submission items:

A MS Word or pdf that includes your final script and bug report.

**Bug Report Template**

Effective bug reports are the most likely to be fixed. Please follow the following template to write bug report

**Overview:** How would you describe the bug, in approximately 60 or fewer characters?

**Steps to Reproduce:** Minimized, easy-to-follow steps that will trigger the

**Actual Results:** What the application did after performing the above steps.

**Expected Results:** What the application should have done, were the bug not present.

**Additional Information:** Any other useful information.