## CS163 Test Plan

**Develop the test plan:** *For each member function that you plan to write, think about how to test it – what flow of control exists in the member function and how would you test out all conditions:*

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| --- | --- | --- |
| **Test Case(s)** | **Expected Result** | **Verified?**  **(yes/no)** |
| **Create venue- create a table size that is of power of 2 and try inserting a large number** | **Clustering will more than likely happen** |  |
| **Create venue - enter no items and try to display** | **Will not display due to table being empty** |  |
| **display() -** | **I will be using a Boolean value to track success or failure** |  |
| **hash\_function() - If user inputs a something other than “my” selected keyword** | **I will be using a Boolean value to track success or failure** |  |
| **Insert() - input an already existing entry** | **I will be using a Boolean value to track success or failure** |  |
| **retrieve() - retrieve a non-existing entry** | **I will be using a Boolean value to track success or failure** |  |
| **display\_all() - display an empty list** | **I will be using a Boolean value to track success or failure** |  |

**Verify correctness:** Using the above test plan, create a test program that testhe interactions of all functions together.