

Names: Shivam Patel and Kevin Shah  
NETID: srp218, kas665

### Test Design Document

Test Case	Description	Sample Input	Expected result / output
1	In the Instate class, I tested the toString method of instate student in order to see the content of this student.	<pre>Instate student = new Instate("John", "Smith", 17, 1000);</pre>	John Smith 17 tuition due: \$6936
2	In the Instate class, I also tested the toString method of student1 in to check whether the content was correct.	<pre>Instate student1 = new Instate("Shivam", "Patel", 15, 0);</pre>	Shivam Patel 15 tuition due: \$7936
3	In the Instate class, I tested the tuitionDue() of the student object in order to print out the correct amount of tuition due when student has above 15 credits with 1000 funding.	<pre>Instate student = new Instate("John", "Smith", 17, 1000);</pre>	6936
4	I also tested student1 tuitionDue() to print out the correct amount of tuition when the student has 15 credits and zero funding available.	<pre>Instate student1 = new Instate("Shivam", "Patel", 15, 0);</pre>	7936
5	I tested student2 tuitionDue() when the student has only 9 credits with 1000 funding. It should print out tuition amount with funding not subtracted.	<pre>Instate student2 = new Instate("Kevin", "Shah", 9, 2000);</pre>	4743

6	I tested the toString method out student object to print out the correct content of the outState student.	<pre>Outstate student = new Outstate("John", "White", 17, true);</pre>	John White 17 tuition due: \$9781
7	I tested the toString method of student1 object to print out correct content.	<pre>Outstate student2 = new Outstate("King", "Kong", 14, false);</pre>	King Kong 14 tuition due: \$12025
8	Tested the tuitonDue() method of student object for student with more than 15 credits and status of tristate to be true. Should give \$200 discount.	<pre>Outstate student = new Outstate("John", "White", 17, true);</pre>	9781
9	Tested the tuitionDue() method of the student1 object who had 14 credits and false status of tristate. Should not give \$200 discount.	<pre>Outstate student2 = new Outstate("King", "Kong", 14, false);</pre>	12025
10	Tested tuitionDue() method of student2 object who is taking only 9 credits with status of tristate to be true. Should not give \$200 discount as only full-time students get the discount.	<pre>Outstate student3 = new Outstate("John", "McCain", 9, true);</pre>	7650
11	Tested the toString of student object in International class.	<pre>International student = new International("Mary", "Yang", 17, true);</pre>	Mary Yang 17 tuition due: \$1791
12	Tested toString of student1 object in International class.	<pre>International student2 = new International("Dhanush" , "Gandham", 9, false);</pre>	Dhanush Gandham 9 tuition due: \$9701
12	Tested the tuitionDue() method of student object with 17 credits and true status of exchange student. Should not have to pay for the tuition fees.	<pre>International student = new International("Mary", "Yang", 17, true);</pre>	1791

13	Tested tuitionDue() method for student1 object with 9 credits and false for exchange student. Student1 has to pay for tuition fees in this case.	<pre>International student2 = new International("Dhanush" , "Gandham", 9, false);</pre>	9701
13	Tested tuitionDue() method of student2 object with credits and false for exchange student. Student2 has to pay tuition fees with university fees and international fees.	<pre>International student3 = new International("Ken", "Liang", 12, false);</pre>	13131