Assignment 3 Solution Template

Fill in the information for each test that you develop for the in each of the 4 tables below. Add more rows as required to list all possible tests for each type. You need not develop an exhaustive list of Test Data for each test you develop. Use as many rows as need to capture all of your tests. Each of the four tables may span more than one page if necessary.

	Representative Input Tests		
Test #	**Test Description**	**Test Data**	**Expected Result**
1	Test for the input text file	Remove the *StudentsInfo.txt* file from the project	Display an error message saying input file not found
2	Test for the input text file	Remove the *SchoolsInfo.txt* file from the project	Display an error message saying input file not found
3	Enter 1 to enter student information manually	1	Ask to input student information
4	Enter 2 to use StudentsInfo.txt	2	Read from StudentsInfo.txt
5	Test for a student record with all legal data	Michel Johan 3.83 05:26:2016 10:35:23 19 17 05 32 18 08 Norview	Display: "Michel, Johan is accepted at Norview and exempted from writing the admission test"
6	When being asked "Would you like to rerun the program? (Y or N)" Enter 'Y'	Y	Program rerun

Representative Input Tests

Test #	Test Description	Test Data	Expected Result
7	When being asked "Would you like to rerun the program? (Y or N)" Enter 'N'	N	Program exit
8	When being asked "Would you like to add another student? (Y or N)" Enter 'Y'	Y	Ask to input student information
9	When being asked "Would you like to add another student? (Y or N)" Enter 'N'	N	Display the result

Functional Coverage Tests

Test #	Test Description	Test Data	Expected Result
1	Student's GPA is not high enough	Michel Johan2 3.5 05:26:2016 10:35:23 19 17 05 32 18 08 Norview	Display: "Michel, Johan2 needs to write admission test on 07:05:2016 at 10:30:00"
2	Student lives too far	Michel Johan3 3.83 05:26:2016 10:35:23 19 17 05 32 50 08 Norview	Display: "Michel, Johan3 needs to write admission test on 07:05:2016 at 10:30:00"
3	Student applied after the day of deadline (most schools)	Michel Johan4 3.83 06:26:2016 10:35:23 19 17 05 32 18 08 Granby	Display: "Michel, Johan4 needs to write admission test on 07:05:2016 at 10:30:00"
4	Student applied after the time of deadline (most schools)	Michel Johan5 3.83 06:15:2016 23:35:23 19 17 05 32 18 08 Granby	Display: "Michel, Johan5 needs to write admission test on 07:05:2016 at 10:30:00"
5	Student applied after the day of deadline (Maury and Norview)	Michel Johan6 3.83 06:26:2016 10:35:23 19 17 05 32 18 08 Norview	Display: "Michel, Johan6 needs to write admission test on 07:05:2016 at 10:30:00"
6	Student applied after the time of deadline (Maury and Norview)	Michel Johan7 3.83 06:17:2016 18:35:23 19 17 05 16 18 08 Maury	Display: "Michel, Johan7 needs to write admission test on 07:05:2016 at 10:30:00"

Functional Coverage Tests

Test #	Test Description	Test Data	Expected Result
7	Student with GPA 4.0 lives too far	Michel Johan8 4.0 05:26:2016 10:35:23 19 17 05 32 50 08 Norview	Display: "Michel, Johan8 is accepted at Norview and exempted from writing the admission test"
8	The school doesn't have enough spots	Princess Ann 2 Michel Johan9 3.83 05:26:2016 10:35:23 19 17 05 32 18 08 Princess Ann Michel Johan10 3.83 05:26:2016 10:35:23 19 17 05 32 18 09 Princess Ann Michel Johan11 4.0 05:26:2016 10:35:23 19 17 05 32 18 10 Princess Ann	Display: "Michel, Johan9 is accepted at Princess Ann and exempted from writing the admission test" "Michel, Johan10 needs to write admission test on 07:05:2016 at 10:30:00" "Michel, Johan11 is accepted at Princess Ann and exempted from writing the admission test"
9	Student didn't apply these schools	Michel Johan12 4.0 05:26:2016 10:35:23 19 17 05 3 18 08 Princess	Display: "Michel, Johan12 needs to write admission test on 07:05:2016 at 10:30:00"

Boundary Value Tests

Test #	Test Description	Test Data	Expected Result
1	Student's GPA is 3.80	Michel Johan13 3.8 05:26:2016 10:35:23 19 17 05 32 18 08 Norview	Display: "Michel, Johan13 needs to write admission test on 07:05:2016 at 10:30:00"
2	Student's GPA is 3.81	Michel Johan14 3.81 05:26:2016 10:35:23 19 17 05 32 18 08 Norview	Display: "Michel, Johan14 is accepted at Norview and exempted from writing the admission test"
3	GPA is 0	Michel Johan15 0 05:26:2016 10:35:23 19 17 05 32 18 08 Norview	Display: "Michel, Johan15 needs to write admission test on 07:05:2016 at 10:30:00"
4	Distance is 0	Michel Johan16 3.83 05:26:2016 10:35:23 19 17 05 32 0 08 Norview	Display: "Michel, Johan16 is accepted at Norview and exempted from writing the admission test"
5	Distance is too far	Michel Johan17 3.83 05:26:2016 10:35:23 19 17 05 32 99999 08 Norview	Display: "Michel, Johan17 needs to write admission test on 07:05:2016 at 10:30:00"
6	Student lives exactly 20 miles away from the school applied	Michel Johan18 3.83 05:26:2016 10:35:23 19 17 05 32 20 08 Norview	Display: "Michel, Johan18 needs to write admission test on 07:05:2016 at 10:30:00"

Boundary Value Tests

Test #	Test Description	Test Data	Expected Result
7	Student lives right closer than 20 miles away from the school applied	Michel Johan19 3.83 05:26:2016 10:35:23 19 17 05 32 19.99 08 Norview	Display: "Michel, Johan19 is accepted at Norview and exempted from writing the admission test"
8	Student applied exactly at the deadline (most schools)	Michel Johan20 3.83 06:15:2016 22:00:00 19 17 05 32 18 08 Granby	Display: "Michel, Johan20 is accepted at Granby and exempted from writing the admission test"
9	Student applied exactly 1 second after the deadline (most schools)	Michel Johan21 3.83 06:15:2016 22:00:01 19 17 05 32 18 08 Granby	Display: "Michel, Johan21 needs to write admission test on 07:05:2016 at 10:30:00"
10	Student applied exactly at the deadline (Maury and Norview)	Michel Johan22 3.83 06:17:2016 17:00:00 19 17 05 16 18 08 Maury	Display: "Michel, Johan22 is accepted at Maury and exempted from writing the admission test"
11	Student applied exactly 1 second after the deadline (Maury and Norview)	Michel Johan23 3.83 06:17:2016 17:00:01 19 17 05 16 18 08 Maury	Display: "Michel, Johan23 needs to write admission test on 07:05:2016 at 10:30:00"
12	The school has the just enough spots	Lake Taylor 1 Michel Johan24 3.83 05:26:2016 10:35:23 19 17 05 32 18 08 Lake Taylor	Display: "Michel, Johan24 is accepted at Lake Taylor and exempted from writing the admission test"

Special Value Tests

Test #	Test Description	Test Data	Expected Result
1	Application time is June 15th at 10pm (Maury and Norview)	Michel Johan25 3.83 06:15:2016 22:00:00 19 17 05 32 18 08 Norview	Display: "Michel, Johan25 is accepted at Norview and exempted from writing the admission test"
2	Application time is June 17th at 5:00pm (most schools)	Michel Johan26 3.83 06:17:2016 17:00:00 19 17 05 32 18 08 Granby	Display: "Michel, Johan26 needs to write admission test on 07:05:2016 at 10:30:00"
3	Application time is 0 am of any day before deadline	Michel Johan27 3.83 05:26:2016 00:00:00 19 17 05 32 18 08 Norview	Display: "Michel, Johan27 is accepted at Norview and exempted from writing the admission test"
4	Application time is 23:59:59 pm of any day before deadline	Michel Johan28 3.83 05:26:2016 23:59:59 19 17 05 32 18 08 Norview	Display: "Michel, Johan28 is accepted at Norview and exempted from writing the admission test"
5	Application time is 0 am of any day after deadline	Michel Johan29 3.83 06:26:2016 00:00:00 19 17 05 32 18 08 Norview	Display: "Michel, Johan29 needs to write admission test on 07:05:2016 at 10:30:00"
6	Application time is 23:59:59 pm of any day after deadline	Michel Johan30 3.83 06:26:2016 23:59:59 19 17 05 32 18 08 Norview	Display: "Michel, Johan30 needs to write admission test on 07:05:2016 at 10:30:00"

Special Value Tests

Test #	Test Description	Test Data	Expected Result
7	Application day is Feb 29th	Michel Johan31 3.83 02:29:2016 10:35:23 19 17 05 32 18 08 Norview	Display: "Michel, Johan31 is accepted at Norview and exempted from writing the admission test"
8	The school has no spots	Booker T. Washington 0 Michel Johan32 3.83 02:29:2016 10:35:23 19 17 05 32 18 08 Booker T. Washington	Display: "Michel, Johan32 needs to write admission test on 07:05:2016 at 10:30:00"