

Test Case Number	Purpose of Test Case	Input Data	Output Data
1	Test to determine validity of add by first testing if the name field is blank	Name field is blank and every corresponding field is empty, add employee is clicked	Textarea should display "Name cannot be empty"
2	Test to determine validity of add by testing if Department field is blank	Name: "Test name", department field is not selected and every corresponding field is empty, add employee is clicked	Textarea should display "Department must be selected"
3	Test to determine validity of add by testing if Date field is blank	Name: "Test name" Department: "CS" Date hired and every corresponding field is empty, add employee is clicked	Textarea should display "Date must be selected"
4	Test to determine validity of add by testing if Date field is a valid date	Name: "Test name" Department: "CS" Date Hired: "3/26/2021" OR "3/26/1870" and every corresponding field is empty, add employee is clicked	Textarea should display "Date is not valid"
5	Test to determine validity of add by testing if Employee Type is not selected	Name: "Test name" Department: "CS" Date Hired: "3/3/2020" Employee type is not selected and every corresponding field is empty, add employee is clicked	Textarea should display "Employee type must be selected"
6	Test to determine validity of add by	Name: Test name" Department: "CS"	Textarea should display "Salary

	testing if Annual Salary is blank OR if Annual Salary is not a number for Full-time and Management Employee	Date Hired: "3/3/2020" Employee type: "Full-time" OR "Management" Annual Salary is empty OR Annual Salary: "eez40", Add employee button is clicked	cannot be empty" if Annual Salary field is empty OR display "Salary must be a number" if Annual Salary field is not a number
7	Test to determine validity of add by testing if Hours Worked field or Rate field for Part-time employee is empty OR if either of the two fields are not number values	Name: "Test name" Department: "CS" Date Hired: "3/3/2020" Employee type: "Part-time" Hours Worked or Rate are empty OR Hours Worked: "\$e5" or Rate: "43xs", Add employee button is clicked	Textarea should display "Hours cannot be empty" OR "Rate cannot be empty" if either two fields are empty OR "Hours must be a number" OR "rate must be number" if either two fields are not number values
8	Test to determine validity of add by testing if Hours Worked field has a valid number value for a part-time employee	Name: "Test name" Department: "CS" Date Hired: "3/3/2020" Employee type: "Part-time" Hours Worked: "102" Rate: "15" , Add employee button is clicked	Textarea should display "Invalid hours: over 100"
9	Test to determine validity of add by testing if Management type is selected for a management employee	Name: "Test name" Department: "CS" Date Hired: "3/3/2020" Employee type: "Management" Annual Salary: "150000" Manager type is not selected, Add employee button is	Textarea should display "Management type must be selected"

		clicked	
10	Test to determine validity of add by adding the same employee again	After adding an employee, the Add employee button is clicked again	Textarea should display "Employee already exists"
11	Test to determine validity of add for a normal case	Name: "Test name" Department: "CS" Date Hired: "3/3/2020" Employee type: "Full-time" Annual Salary: "60000", Add employee button is clicked	Textarea should display "Employee added"
12	Test to determine validity of remove by testing remove before the employee is added	Name: "Test name" Department: "CS" Date Hired: "3/3/2020" Employee type: "Full-time" Annual Salary: "60000", Remove employee button is clicked BEFORE employee is added	Textarea should display "Employee doesn't exist"
13	Test to determine validity of remove by testing remove for empty name field	Name is blank, all corresponding fields are blank, remove employee is clicked	Textarea should display "Name cannot be blank"
14	Test to determine validity of remove for a normal case	Name: "Test name" Department: "CS" Date Hired: "3/3/2020" Employee type: "Full-time" Annual Salary: "60000", Remove employee button is clicked after employee is added	Textarea should display "Employee removed"
15	Test to determine	Name: "Test name"	Textarea should

	validity of set hours by testing negative hours	Department: "CS" Date Hired: "3/3/2020" Employee type: "Part-time" Hours Worked: "-5" Rate: "15", Set hours button is clicked	display "Invalid hours"
16	Test to determine validity of set hours by testing hours over 100	Name: "Test name" Department: "CS" Date Hired: "3/3/2020" Employee type: "Part-time" Hours Worked: "101" Rate: "15", Set hours button is clicked	Textarea should display "Invalid hours"
17	Test to determine validity of set hours by testing set hours before employee is added	Name: "Test name" Department: "CS" Date Hired: "3/3/2020" Employee type: "Part-time" Hours Worked: "40" Rate: "15", Set hours button is clicked BEFORE employee is added	Textarea should display "Employee doesn't exist"
18	Test to determine validity of set hours for a normal case	Name: "Test name" Department: "CS" Date Hired: "3/3/2020" Employee type: "Part-time" Hours Worked: "40" Rate: "15", Set hours button is clicked AFTER employee is added	Textarea should display "Working hours set"
19	Test to determine validity of compute by testing	"Compute" in Employee Database is clicked	Textarea should display "Calculation of Payments is

	payments		done”
20	Test to determine validity of export by testing if the employee database is empty	“Export File” in Employee Database tab is clicked before database is populated	Textarea should display “Cannot export file, employee database may be empty”
21	Test to determine validity of export for a normal case	“Export File” in Employee Database tab is clicked after database is populated	Textarea should display “database empty”
22	Test to determine validity of import by testing for a file that has not been selected	“Import File” in Employee Database tab is clicked without selecting a file	Textarea should display “No file selected”
23	Test to determine validity of import for a normal case	“Import File” in Employee Database tab is clicked after selecting a file	Textarea should display “File imported”