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Test Case #	Purpose of Test Case	Input Data	Expected Output
1	We use this test case to test the functionality of our clear button. If successful our output area should be cleared of all Strings and all selections and text areas cleared.	Clear	Case 1: “ “
2	We use this test case to check our exception handling. We will try to add an employee while missing one of our data fields. For this, we will use a simple full-time employee (John, CS, 3/5/2020, 85000) to test this initially. Since the data fields of name, department, and date hired and employment type are shared between all employees this test will work for our 3 employment types.	<ul style="list-style-type: none"> - Add employee with empty GUI - Add employee with no name Filled - Add employee no Department filled - Add employee no dateHired Filled - Add Employee no Employment type - Add valid full-time employee 	Case 1: “You have to select a value for Employee group, Department group and select a date” Case 2: “You cannot have an empty name!” Case 3: You have to select a value for Employee group, Department group and select a date Case 4: “You have to select a value for Employee group, Department group and select a date” Case 5: “You have to select a value for Employee group, Department group and select a date” Case 6: “Full Time employee added! “
3	Let’s test what happens when we press add employees without the annual salary field filled. Now let’s test if our annual salary accepts a value less than 0. It should not accept the value. Further, let’s test if we can add an invalid date.	<ul style="list-style-type: none"> - Add employee no Annual Salary filled - Add Full-time with annual salary less than 0 - Add Full-time with invalid date 	Case 1: “You have to enter something for the annual salary field!” Case 2: “You have to enter a salary amount between greater than or equal to zero” Case 3: The date you have entered is Invalid!
4	Lets now test functions exclusive to Part-time employees	<ul style="list-style-type: none"> - Add Valid Field Part-time Employee - Add part-time Employee no hourly rate - Add Part Time employee with an hourly rate of less than 0 - Add part-time with no hours worked(defaults to 0) - Add part-time with less than 0 hours Worked - Add part-time with more than 100 hours worked 	Case 1: “Part Time employee added” Case 2: “You have to enter something for hourly rate! ” Case 3: “You have to enter an hourly rate that is greater than zero ” Case 4: ““Part Time employee added” Case 5: “You have to enter an hour amount between 0-100 ” Case 6: “You have to enter an hour amount between 0-100 ”
5	We use this test case to test whether our overtime calculations works	<ul style="list-style-type: none"> - Add Part time with 80 hours worked - Add Part time with 81 hours worked 	Case 1: Payment: \$800.00 Case 2: Payment: \$815.00
6	Next let’s test functions exclusive to Management employees. We will start the test adding all 3 types of managers.	<ul style="list-style-type: none"> - Add Manager 1 - Add Manager 2 - Add Manager 3 - Add manager without role selected 	Case 1: ”Management employee added!” Case 2: ”Management employee added!” Case 3: ”Management employee added!” Case 4: “You have to enter the type of manager the employee is”

		<ul style="list-style-type: none"> - Add Manager without annual salary filled - Add manager with annual salary less than 0 	<p>Case 5: "You have to enter something for Annual Salary!"</p> <p>Case 6: "You cannot have an annual salary that is less than or equal to zero"</p>
7	We will use these test cases to test the functionality of our remove button. Our remove function only uses the employee's name, department, and date hired to find an employee. So we will test those fields in particular.	<ul style="list-style-type: none"> - Remove employee valid - Press Remove Employee with nothing filled - Remove employee that's not in the system - Remove with no name filled - Remove with no department filled - Remove with no Date hired Filled - Remove Employee with invalid date 	<p>Case 1: Employee: John,CS,3/10/2021 was removed successfully!</p> <p>Case 2: "You must enter in values for name, department, and dateHired"</p> <p>Case 3: "The remove was unsuccessful, the employee was not found in the database "</p> <p>Case 4: "You cannot have an empty name! "</p> <p>Case 5: "You must enter in values for name, department, and dateHired "</p> <p>Case 6: "You must enter in values for name, department, and dateHired "</p>
8	Next we will test the functionality of Set Hours. Only the fields that pertain to part-time employees are made available by the GUI. Hence we will focus on those fields to test our set hours button. Further the rate field is not used for set hours.	<ul style="list-style-type: none"> - Set Hours with nothing filled - Set Hours with no name filled - Set hours with no department filled - Set Hours with no date hired - Set hours less than 0 - Set hours more than 100 - Valid Set hours 	<p>Case 1:"Please finish entering Parttime employee information and desired amount hours worked!"</p> <p>Case 2: "You cannot have an empty name!"</p> <p>Case 3: "Please finish entering Parttime employee information to continue!!"</p> <p>Case 4:"Please finish entering Parttime employee information to continue!!"</p> <p>Case 5: "You have to enter an hour amount between 0-100! "</p> <p>Case 6: "You have to enter an hour amount between 0-100! "</p> <p>Case 7: "Hours have been successfully changed to 10 for "John S C 3/10/2021"</p>
9	Next let's test the functionality of our calculate payments button. We will set our Parttime worker to 10 hours worked	<ul style="list-style-type: none"> - F Aaron, CS, 3/1/2021, 26000 - P Bobby IT, 3/2/2021 10 - M Charlie ECE, 3/3/2021 26000, 1 - M Dan CS, 3/4/2021 26000, 2 - M Erin ECE, 3/5/2021 26000, 3 	<p>Case 1: Payment \$1,000.00::FULL TIME::Annual Salary \$26,000.00</p> <p>Case 2: Payment \$100.00::PART TIME::Hourly Rate \$10.00::Hours worked this period: 10</p> <p>Case 3: Payment \$1,192.31::FULL TIME::Annual Salary \$26,000.00::Manager Compensation \$192.31</p> <p>Case 4: Payment \$1,346.15::FULL TIME::Annual Salary \$26,000.00::DepartmentHead Compensation \$346.15</p> <p>Case 5: Payment \$1,461.54::FULL TIME::Annual Salary \$26,000.00::Director Compensation \$461.54</p>
10	Now lets test the functionality of our import file and export file. If import runs correctly we should have the employees in our database. If export runs correctly we will have our employees in a new file.	<ul style="list-style-type: none"> - Import File successful - Export File successful - Import File unsuccessful - Export File unsuccessful 	<p>Case 1: Import Successful!</p> <p>-- Printing out all Employee's --</p> <p>Jane Doe::CS::7/1/2020::Payment \$0.00::PART TIME::Hourly Rate \$45.90::Hours worked this period: 0</p> <p>John Doe::CS::6/30/2019::Payment \$0.00::FULL TIME::Annual Salary \$76,430.00</p> <p>Charlie Brown::CS::4/30/2019::Payment \$0.00::FULL</p>

			<p> TIME::Annual Salary \$56,000.00 Amy Harrison::IT::3/31/2020::Payment \$0.00::FULL TIME::Annual Salary \$69,000.00 Eric Haskell::IT::9/1/2015::Payment \$0.00::FULL TIME::Annual Salary \$101,000.00::DepartmentHead Compensation \$346.15 Sunny White::IT::2/28/2016::Payment \$0.00::FULL TIME::Annual Salary \$89,300.00::Manager Compensation \$192.31 Henry Young::IT::2/1/2005::Payment \$0.00::FULL TIME::Annual Salary \$120,000.00::Director Compensation \$461.54 Bob Scanlan::ECE::5/12/2019::Payment \$0.00::PART TIME::Hourly Rate \$24.59::Hours worked this period: 0 Jeff Clinton::ECE::10/1/2001::Payment \$0.00::PART TIME::Hourly Rate \$39.99::Hours worked this period: 0 Carey Wang::ECE::11/30/2017::Payment \$0.00::PART TIME::Hourly Rate \$26.59::Hours worked this period: 0 </p> <p>-- end of the list --</p> <p>Case 2: "Export Successful!"</p> <p>Case 3: "Not Valid File"</p> <p>Case 4: "Export Unsuccessful"</p>
11	<p>Testing our prints with the following database.</p> <p> F Aaron, CS, 3/1/2021, 26000 P Bobby IT, 3/2/2021 10 M Charlie ECE, 3/3/2021 26000, 1 M Dan CS, 3/4/2021 26000, 2 M Erin ECE, 3/5/2021 26000, 3 </p>	<p> - Print empty database - Print - Print by Date - Print by Department </p>	<p>Case 1: "We have 0 employees! "</p> <p>Case 2: -- Printing out all Employee's -- Aaron::CS::3/1/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00 Bobby::IT::3/2/2021::Payment \$0.00::PART TIME::Hourly Rate \$10.00::Hours worked this period: 10 Charlie::ECE::3/3/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00::Manager Compensation \$192.31 Dan::CS::3/4/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00::DepartmentHead Compensation \$346.15 Erin::ECE::3/5/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00::Director Compensation \$461.54 -- end of the list --</p> <p>Case 3:-- Printing out all Employee's by date-- Aaron::CS::3/1/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00 Bobby::IT::3/2/2021::Payment \$0.00::PART TIME::Hourly Rate \$10.00::Hours worked this period: 10 Charlie::ECE::3/3/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00::Manager Compensation \$192.31 Dan::CS::3/4/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00::DepartmentHead</p>

			<div>Compensation \$346.15 Erin::ECE::3/5/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00::Director Compensation \$461.54 -- end of the list --</div> <div>Case 4: Aaron::CS::3/1/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00 Dan::CS::3/4/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00::DepartmentHead Compensation \$346.15 Charlie::ECE::3/3/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00::Manager Compensation \$192.31 Erin::ECE::3/5/2021::Payment \$0.00::FULL TIME::Annual Salary \$26,000.00::Director Compensation \$461.54 Bobby::IT::3/2/2021::Payment \$0.00::PART TIME::Hourly Rate \$10.00::Hours worked this period: 10 -- end of the list --</div>
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