

This document outlines the test cases designed to ensure that the GUI for the Company Employee Database works for various cases, specifications, and border cases.

GUI Fields

Test Case #	What is being tested?	Purpose of the test case	Input Data	Expected Output
1	Name Field	Case 1: Name is left blank	Case 1: (Blank), "CS", "7/1/2001", "Fulltime", "85000"	Case 1: Please enter a name
2	Date Picker	Case 1: date before 1900 Case 2: future date Case 3: blank	Case 1: "Jane Doe", "CS", "7/1/1876", "Fulltime", "85000" Case 2: "Jane Doe", "CS", "7/1/2021", "Fulltime", "85000" Case 2: "Jane Doe", "CS", "", "Fulltime", "85000"	Case 1: Please select a valid date Case 2: Please select a valid date Case 3: Please enter a date
3	Department ToggleGroup	Case 1: Department radio button is not selected	"Jane Doe", "CS", "7/1/2021", (Blank), "85000"	Please provide all values necessary.
4	Annual Salary Text Field	Case 1: Numbers aren't entered Case 2: The text field is left blank Case 3: Negative value	Case 1: "Jane Doe", "CS", "7/1/2020", "Fulltime", "700th" Case 2: "Jane Dow", "CS", "7/1/2020", "Fulltime", "" Case 2: "Jane Dow", "CS", "7/2/2020", "Fulltime", "-89000"	Case 1: Please enter integers Case 2: Please enter integers Case 3: Annual salary cannot be negative
5	Rate text field	Case 1: Numbers aren't entered Case 2: The text field is left blank Case 3: Negative value	Case 1: "John Doe", "CS", "7/1/2020", "Parttime", "700th" Case 2: "Jane Don", "CS", "7/1/2020", "Parttime", "" Case 2: "Jane Done", "CS", "7/1/2020", "Parttime", "-17.9"	Case 1: Please enter integers Case 2: Please enter integers Case 3: Pay rate cannot be negative
6	Hours	Case 1: Numbers aren't	Case 1: "Jane Doe", "CS",	Case 1: Please enter

	Worked Text field and setHours()	<p>entered</p> <p>Case 2: The text field is left blank when setHours is selected</p> <p>Case 3: Working hours over 100</p> <p>Case 4: Negative working hours</p> <p>Case 5: Successfully working hours set</p>	<p>"7/1/2020", "700th"</p> <p>Case 2: "Jane Doe", "CS", "7/1/2020", ""</p> <p>Case 3: "Jane Doe", "CS", "7/1/2020", "120"</p> <p>Case 4: "Jane Doe", "CS", "7/1/2020", "-90"</p> <p>Case 5: "Jane Doe", "CS", "7/1/2020", "78"</p>	<p>integers</p> <p>Case 2: Please enter integers</p> <p>Case 3: Invalid hours: over 100</p> <p>Case 4: Working hours cannot be negative</p> <p>Case 5: Working hours set</p>
7	Management Type ToggleGroup	Case 1: The management type radio button is not selected when the manager-employee type is selected	Case 1: "Carly Icontro", "CS", "7/1/2020", "Management", "65000", (Blank)	Case 1: Please provide all values necessary.
8	Adding Full Time	<p>Case1: Successfully adds new emp.</p> <p>Case 2: Tries to add existing emp.</p>	<p>Case 1: "Jane Doe", "CS", "7/1/2020", "Fulltime", "85000"</p> <p>Case 2: "Jane Doe", "CS", "7/1/2020", "Fulltime", "85000"</p>	<p>Case 1: Employee added.</p> <p>Case 2: Employee is already in the list</p>
9	Adding Part-time	<p>Case1: Successfully adds new emp.</p> <p>Case 2: Tries to add existing emp.</p>	<p>Case 1: "Jane Doe", "CS", "7/1/2020", "Parttime", "27.9"</p> <p>Case 2: "Jane Doe", "CS", "7/1/2020", "Parttime", "27.9"</p>	<p>Case 1: Employee added.</p> <p>Case 2: Employee is already on the list</p>
10	Adding Management	<p>Case1: Successfully adds new emp.</p> <p>Case 2: Tries to add existing emp.</p>	<p>Case 1: "Carly Icontro", "CS", "7/1/2020", "Management", "65000", "Director"</p> <p>Case 2: "Carly Icontro", "CS", "7/1/2020", "Management", "65000", "Director"</p>	<p>Case 1: Employee added.</p> <p>Case 2: Employee is already on the list</p>
11	Removing Full Time	<p>Case 1: Successfully removes a fulltime</p> <p>Case 2: Removes a full-time employee that doesn't exist</p> <p>Case 3: Employee database is empty</p>	<p>Case 1:(Employees exists already) "Carly James", "CS", "5/1/2020", "Fulltime", "75000"</p> <p>Case 2: (Employee doesn't exist yet) "Carly James", "CS", "5/1/2020", "Fulltime", "75000"</p> <p>Case 3: (No employees in</p>	<p>Case 1: Employee Removed</p> <p>Case 2: Employee doesn't exist.</p> <p>Case 3: The employee database is empty</p>

			the database)	
12	Removing Parttime	Case 1: Successfully removes a parttime Case 2: Removes a part-time employee that doesn't exist Case 3: Employee database is empty	Case 1:(Employees exists already) "Carly James", "ECE", "5/1/2020", "Parttime", "12.5" Case 2: (Employee doesn't exists yet) "Carly James", "ECE", "5/1/2020", "Parttime", "12.5" Case 3: (No employees in database)	Case 1: Employee Removed Case 2: Employee doesn't exist. Case 3: The employee database is empty
13	Removing Management	Case 1: Successfully removes a management Case 2: Removes an employee that doesn't exist Case 3: Employee database is empty	Case 1:(Employees exists already) "Carly James", "CS", "5/1/2020", "Management", "65000", "Director" Case 2: (Employee doesn't exists yet) "Carly James", "CS", "5/1/2020", "Management", "65000", "Director" Case 3: (No employees in database)	Case 1: Employee Removed Case 2: Employee doesn't exist. Case 3: The employee database is empty
15	Compute Payment	Case 1:Check scenario for No employees in database Case 2: Calculated all types of employees successfully	Case 1: (No employees in database) Case 2: "Jane Doe", "CS", "7/1/2020", "Parttime", "12.5" "James Doe", "CS", "7/2/2020", "Fulltime", "10000" "John Doe", "ECE", "7/3/2020", "Management", "15000", "Director"	Case 1: The employee database is empty Case 2: Calculation of payments is done
16	Import	Case 1: Clicking on import but not selecting a file/canceling Case 2: Empty file Case 3: Importing Successfully	Case 1: (Do not select a file and exit file selector pop up window) Case 2: "database.txt" Case 3: "database.txt"	Case 1: Please select a file Case 2: Empty File Case 3: Employee added(printed how many ever employees are in the file times)
17	Export	Case 1: Clicking on export but not selecting	Case 1: (Do not select a file and exit file selector pop up	Case 1:Please export a file

		a file/canceling Case 2: Exporting successfully Case 3: Employee database is empty	window) Case 2: "exportfile.txt" Case 3: "exportfile.txt"	Case 2: Finished exporting the database Case 3: Employee database is empty - nothing to export
18	Print all employees	Case 1: Empty Database Case 2: Successfully print	Case 1: (No employees in database) Case 2: Jane Doe", "CS", "7/1/2020", "Parttime", "12.5" "James Doe", "CS", "7/2/2020", "Fulltime", "10000" "John Doe", "ECE", "7/3/2020", "Management", "15000", "Director"	Case 1: The employee database is empty Case 2: --Printing Earning Statements for all Employees-- Jane Doe::CS::7/1/2020::Pay ment \$0.00::PART TIME::Hourly Rate \$12.50::Hours worked on this period: 0 James Doe::CS::7/2/2020::Pay ment \$0.00::FULL TIME::Annual Salary \$10,000.00 John Doe::ECE::7/3/2020::Pa yment \$0.00::FULL TIME::Annual Salary \$15,000.00::Director Compensation \$461.54
19	Print by Department	Case 1: Empty Database Case 2: Successfully print	Case 1: (No employees in database) Case 2: "Jane Doe", "CS", "7/1/2020", "Parttime", "12.5" "James Doe", "CS", "7/2/2020", "Fulltime", "10000" "John Doe", "ECE", "7/3/2020", "Management", "15000", "Director"	Case 1: The employee database is empty Case 2: --Printing earning statements by department-- Jane Doe::CS::7/1/2020::Pay ment \$0.00::PART TIME::Hourly Rate \$12.50::Hours worked on this period: 0 James Doe::CS::7/2/2020::Pay ment \$0.00::FULL TIME::Annual Salary \$10,000.00 John Doe::ECE::7/3/2020::Pa yment \$0.00::FULL TIME::Annual Salary \$15,000.00::Director Compensation \$461.54

20	Print by Date Hired	Case 1: Empty Database Case 2: Successfully print	Case 1: (No employees in database) Case 2: "Jane Doe", "CS", "7/1/2020", "Parttime", "12.5" "James Doe", "CS", "7/2/2020", "Fulltime", "10000" "John Doe", "ECE", "7/3/2020", "Management", "15000", "Director"	Case 1: The employee database is empty Case 2: --Printing earning statements by dateHired-- Jane Doe::CS::7/1/2020::Pay ment \$0.00::PART TIME::Hourly Rate \$12.50::Hours worked on this period: 0 James Doe::CS::7/2/2020::Pay ment \$0.00::FULL TIME::Annual Salary \$10,000.00 John Doe::ECE::7/3/2020::Pa yment \$0.00::FULL TIME::Annual Salary \$15,000.00::Director Compensation \$461.54
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