Test cases	Purpose	Input Data	Expected Output
1	Testing to see if Adding an Employee works.	Parttime -> • Doe,John • Date:1/2/2020 • Dept: CS • Hours: 10 • Rate: 5 Add Employee Button FullTime -> • Doe,Jane • Date:1/20/2018 • Salary input: 2000 Add Employee Button Management -> • Salary: 1000 • Date:3/2/2002 • Role: Manager Add Employee Button Parttime -> • Doe,John • Date:1/2/2020 • Dept: CS • Hours: 12 • Rate: 5 Add Employee Button FullTime -> • Doe,Jane • Date:1/20/2018 • Salary input: 3000 Add Employee Button Management -> • Salary: 2000 • Date:3/2/2002 • Role: Manager Add Employee Button (Name,Date,Dept and (Hours + Rate) or Salary must be filled for button to show)	"Employee Added!" "Employee Added!" "Employee Added!" "Employee already exists!" "Employee already exists!" "Employee already exists!"
2	Test to see if the disabling of the buttons work for the employee types.	When parttime is selected When fulltime is selected When management is selected	Parttime selected - Hourly pay input enabled - Salary input disabled - Role disabled Fulltime selected - Salary input enabled - Hourly input pay disabled - Role disabled Management selected - Salary input enabled - Hourly input pay disabled - Role enabled.
3	Test to see if removing an Employee works.	Parttime -> • Doe,John • Date:1/2/2020 • Dept: CS • Hours: 10 • Rate: 5 Add Employee Button FullTime -> • Doe,Jane • Date:1/20/2018	"Employee Added!" "Employee Added!" "Employee Added!" "Employee Removed." "Employee doesn't exist!" "Employee Removed." "Employee Removed." "Employee Database is Empty!"

		● Salary input: 2000
		Add Employee Button
		Management ->
		   ● Salary: 1000
		   ● Date:3/2/2002
		   ● Role: Manager
		Add Employee Button
		Parttime ->
		   ● Doe,John
		   ● Date:1/2/2020
		   ● Dept: CS
		Remove Employee Button
		Parttime ->
		   ● Doe,John
		   ● Date:1/2/2020
		   ● Dept: CS
		Remove Employee Button
		FullTime ->
		   ● Doe,Jane
		   ● Date:1/20/2018
		Remove Employee Button
		Management ->
		   ● Date:3/2/2002
		   ● Role: Manager
		Remove Employee Button
		Parttime ->
		   ● Doe,John
		   ● Date:1/2/2020
		   ● Dept: CS
		Remove Employee Button
		FullTime ->
		   ● Doe,Jane
		   ● Date:1/20/2018
		Remove Employee Button
		Management ->
		   ● Date:3/2/2002
		   ● Role: Manager
		Remove Employee Button
		
		(Only Name,Date and Dept)	

4	Print Employee Database, normally, by date, and by department.	Press Print Button
		Press Print (Sort By Date Hired) Button
		Press Print (Sort By Department)
		
		FullTime ->
		   ● Doe,Jane
		   ● Date:2/1/2001
		   ● Salary input: 85000
		Add Employee Button
		FullTime ->
		   ● Doe,Jane
		   ● Date:3/1/2002
		   ● Salary input: 85000
		Add Employee Button
		FullTime ->
		   ● Doe,Jane
		   ● Date:1/1/2002
		   ● Salary input: 85000
		Add Employee Button
		FullTime ->Add Employee Button
		   ● Doe,Jane
		   ● Date:1/1/2000
		   ● Salary input: 85000
		Add Employee Button
		
		Press Print Button
			Employee database is empty!
			Employee database is empty!
			Employee database is empty!
			
			--Printing earning statements for all employees--
			Doe,Jane::ECE::2/1/2001::Payment $0.00::FULL TIME::Annual Salary $85,000.00
			Doe,Jane::IT::3/1/2002::Payment $0.00::FULL TIME::Annual Salary $85,000.00
			Doe,Jane::CS::1/1/2002::Payment $0.00::FULL TIME::Annual Salary $85,000.00
			Doe,Jane::ECE::1/1/2000::Payment $0.00::FULL TIME::Annual Salary $85,000.00
			
			--Printing earning statements by date hired--
			Print by Date:
			Doe,Jane::ECE::1/1/2000::Payment $0.00::FULL TIME::Annual Salary $85,000.00
			Doe,Jane::ECE::2/1/2001::Payment $0.00::FULL TIME::Annual Salary $85,000.00
			Doe,Jane::CS::1/1/2002::Payment $0.00::FULL TIME::Annual Salary $85,000.00
			Doe,Jane::IT::3/1/2002::Payment $0.00::FULL TIME::Annual Salary $85,000.00

		Press Print (Sort By Date Hired) Button Press Print (Sort By Department)	--Printing earning statements by department-- Print by Department: Doe,Jane::CS::1/1/2002::Payment $0.00::FULL TIME::Annual Salary $85,000.00 Doe,Jane::IT::3/1/2002::Payment $0.00::FULL TIME::Annual Salary $85,000.00 Doe,Jane::ECE::2/1/2001::Payment $0.00::FULL TIME::Annual Salary $85,000.00 Doe,Jane::ECE::1/1/2000::Payment $0.00::FULL TIME::Annual Salary $85,000.00
5	Test out setting hours for Part time employees	Name: Jane Doe Department: CS Date: 2/21/2001; Status: PartTime Rate: 10 Hours: 10 Add Employee Button Name: Joe Doe Department: CS Date: 2/21/2001; Status: PartTime Rate: 10 Hours: (blank) Add Employee Button Print Button Name: Joe Doe Department: CS Date: 2/21/2001; Status: PartTime Hours 15 Set Hours Button Print Button setHours disables if Fulltime or management is chosen. (Only Name,Date,Dept and Hours must be filled for button to show)	Employee Added! Employee Added! --Printing earning statements for all employees-- Printing employee Doe, Jane::CS::2/21/2001::Payment $0.00::PART TIME::Hourly Rate $10.00::Hours worked this period: 10 Doe, Joe::CS::2/21/2001::Payment $0.00::PART TIME::Hourly Rate $10.00::Hours worked this period: 0 Hours Set! --Printing earning statements for all employees-- Doe, Jane::CS::2/21/2001::Payment $0.00::PART TIME::Hourly Rate $10.00::Hours worked this period: 10 Doe, Joe::CS::2/21/2001::Payment $0.00::PART TIME::Hourly Rate $10.00::Hours worked this period: 15
6	Testing out the Clear Button	Print Button Name: Jane Doe Department: CS Date: 2/21/2001; Status: PartTime Rate: 10 Hours: 10 Press Clear Button	All inputs that are in the text inputs and selections that are checked are all set to be cleared or empty after clicking clear.
7	Testing out Calculate payments.	Employee Database Doe,Jane::ECE::1/1/2000::Paymen	Calculate Payments Print Doe,Jane::ECE::1/1/2000::Payment $85,000.00::FULL

		t $0.00::FULL TIME::Annual Salary $85,000.00 Cook, Food::CS::2/21/2001::Payment $0.00::PART TIME::Hourly Rate $10.00::Hours worked this period: 10	TIME::Annual Salary $85,000.00 Food::CS::2/21/2001::Payment $100.00::PART TIME::Hourly Rate $10.00::Hours worked this period: 10
8	Importing a Employee Database	Take in a file and paste the contents of the file into the Employee Database for the GUI If File contains P,Jane Doe,CS,7/1/2020,45.9 F,John Doe,CS,6/30/2019,76430	If error occurs when selecting a file, "An error has occurred selecting the file." If selected nothing, "No File Selected: Please Select a File." If format of file is incorrect, "File Format is incorrect" If import error "Import error!" If success, "Database Imported!" If Printed after success Doe, Jane::CS::7/1/2020::Payment $0.00::PART TIME::Hourly Rate $45.90::Hours worked this period: 0 Doe, John::CS::6/30/2019::Payment $0.00::FULL TIME::Annual Salary $76,430.00
9	Exporting a Employee Database	Pick File that the database needs to be exported to. If Database contains: Doe, Jane::CS::7/1/2020::Payment $0.00::PART TIME::Hourly Rate $45.90::Hours worked this period: 0 Doe, John::CS::6/30/2019::Payment $0.00::FULL TIME::Annual Salary $76,430.00	If error occurs, "An error has occurred selecting the file." If selected nothing, "No File Selected: Please Select or Create a new File." If success, "Database Exported!" If Exception, "An error occurred." If Sucess and Printed, File shows Jane::CS::7/1/2020::Payment $0.00::PART TIME::Hourly Rate $45.90::Hours worked this period: 0 Doe, John::CS::6/30/2019::Payment $0.00::FULL TIME::Annual Salary $76,430.00