

Test Case #	Purpose of Test Case	Input Data	Expected Output
1	Adding Part-time employees with missing data fields. An Error message will be displayed for all cases.	Case 1: No Name given Case 2: No Department Selected Case 3: No Hire Date given Case 4: No Employee type Case 5: No Hourly rate	Case 1: "Please enter a name" Case 2: "'null' is not a valid department code." Case 3: "Error: missing parameters for this command" Case 4: "Error: missing parameters for this command" Case 5: "Error: missing parameters for this command"
2	Adding FullTime Employee with missing data fields	Case 1: No Yearly Salary given	Case 1: "Error: missing parameters for this command"
3	Adding Management Employee with missing data fields	Case 1: No Yearly Salary given Case 2: No Management Code selected	Case 1: "Error: missing parameters for this command" Case 2: "invalid management code"
4	Adding employees with improperly formatted data fields (type mismatch)	Case 1: Hourly rate not int or double Case 2: Hourly rate is negative	Case 1: "Error: missing parameters for this command" Case 2 : "Pay rate cannot be negative"
5	Adding employees with improper dates	Case 1: Date hired is post today's date Case 2: Date hired is before 1900	Case 1: "(inputed Date) is not a valid Date! Case 2: "(inputed Date) is not a valid Date!"
6	Adding employee that already exists	Case 1: adding an employee that already exists	Case 1: Employee is already in list
7	Adding employees of various types, checks grow method of Company	Case 1: new Fulltime("Lawrence, Johny", "ECE", new Date("3/05/1985"), 8500.00) Case 2: new Management("Lawrence, Johny", "CS", new Date("3/05/1985"), 8500.00, 1)	Case 1: Employee Added Case 2: Employee Added Case 3: Employee Added Case 4: Employee Added

		Case 3: new Parttime("Lawrence, Johny", "IT", new Date("3/05/1985"), 30.5); Case 4: new Parttime("Doesnt, Exist", "IT", new Date("3/05/1985"), 80);	
8	Removing employees	Case 1: removing employee that is in list Case 2: removing employee that is not in list	Case 1: Employee removed Case 2: Employee does not exist
9	Setting Hours for Parttime employees, checking if hours are valid	Case 1: non integer numof hours Case 2: negative numof hours Case 3: more than 100 hours	Case 1: missing parameters for this command Case 2: "Working Hours cannot be negative" Case 3: Invalid Hours: over 100"
10	Computing payments For management employees	Case 1: compute for Management Employee, salary of 100,000, mgmnt code 1 Case 2: compute for Management Employee, salary of 100,000, mgmnt code 2 Case 3: compute for Management Employee, salary of 100,000, mgmnt code 3	Case 1: 4,038.46 Case 2: 4,211.54 Case 3 :4,307.69
11	Computing payments for Fulltime employees	Case 1: compute for fulltime employee with salary of 100,000	Case 1: 3,846.15
12	Computing payments for Parttime employees and testing overtime calculation	Case 1: compute for parttime employee with hourly rate of 20 and 40 hours worked Case 2 compute for parttime employee with hourly rate of 20 and 90 hours worked	Case 1: 800 Case 2: 1900
13	Import database	Case 1: Import given database.txt Case 2: Import file with no text or incorrect format Case 3: Import file not selected	Case1: Employee Added (repeated for num of employees) Case 2: Import file incorrectly formatted Case 3: Please select a file to import/export

14	Export database	Case 1: database empty Case 2: Export file not selected	Case 1: Employee Database is Empty Case 2: Please select a file to import/export
15	Printing database	Case 1: print all when database empty Case 2: print by date hired when database empty Case 3: print by dept when database empty	Case 1: Employee Database is Empty Case 2: Employee Database is Empty Case 3: Employee Database is Empty