

Siddhi Kasera (smk339) & Sonal Madhok (sm2381)**Test Design Document:***Test Cases for Payroll Processing GUI:*

Test Case #	Purpose of the test case	Input	Expected Output	Pass/Fail
1	Add FT employee with all valid credentials	Jane Smith, CS, 3/4/2020, Full Time, 85000	'Employee added.'	Pass
2	Add PT employee with all valid credentials	Jane Smith, IT, 11/2/2017, Part Time, 34.9	'Employee added.'	Pass
3	Add Management employee with all valid credentials	Jane Smith, ECE, 7/15/2003, Management, 85000, Director	'Employee added.'	Pass
4	Add Management employee with negative value in annual salary	John Doe, ECE, 7/15/2010, Management, -85000, Manager	'Salary cannot be negative.'	Pass
5	Add PT employee with negative rate	John Doe, IT, 1/4/2012, Part Time, -20.5	'Rate cannot be negative.'	Pass
6	Set PT employee with negative hours worked	Jane Smith, IT, 11/2/2017, Part Time, -50	'Working hours cannot be negative.'	Pass
7	Add employee without name	IT, 10/3/2018, Full Time, 23000	'Please enter the employee name.'	Pass
8	Testing for an invalid year	12/01/1899	'Invalid date.'	Pass
9	Testing for an invalid year	12/02/2022	'Invalid Date.'	Pass
10	Adding a FT employee without name	ECE, 3/2/2021, Full Time, 23000	'Please input the employee name.'	Pass
11	Adding a FT employee without annual salary	Logan Smith, IT, Full Time	'Please input or check the hours, rate, or annual salary value.'	Pass

12	Adding a FT without selecting department name	Jane Doe, 12/8/2020, Full Time, 65000	'Please choose a department.'	Pass
13	Adding a FT with negative annual salary	Jane Doe, 3/4/2021, CS, Fulltime, -12000	'Salary cannot be negative.'	Pass
14	Remove FT employee	Jane Doe, CS, 3/4/2021	'Employee removed'	Pass
15	Remove employee that does not exist	Jane Doe, CS, 3/2/1999	'Employee does not exist'	Pass
16	Add a PT without hourly rate	Jane Doe, IT, 3/7/2002, Part Time	'Please input or check the hours, rate, or annual salary value.'	Pass
17	Add a MT role without name	ECE, 3/7/2002, 12000, Management, Manager	'Please input the employee name'	Pass
18	Add a MT role without date	Logan Smith, ECE, Management, 23000, Director	'Please add all employee information.'	Pass
19	Add a MT without a role	Logan Smith, IT, 2/23/2019, Management, 23000	'Please choose a manager type.'	Pass
20	Calculate payments for all employees	Click on calculate all payments	'Calculation of employees payments is done.'	Pass
21	Calculate payments in an empty database	Click on calculate all payment	'Employee Database is empty'	Pass
22	Set hours	Jane Doe, CS, 3/8/2018, Parttime, 34	'Working hours set'	Pass
23	Set hours greater than 100	Jane Doe, CS, 3/3/2021, Part time, 120	Invalid hours: over 100.	Pass
24	Print all employees with an empty database	Click on print all employees	'Employee database is empty.'	Pass
25	Print all employees by date in an empty database	Click on print by date	'Employee database is empty'	Pass

26	Print all employees by department in a database with inputs.	Click on Print by Department	'Employee database is empty.'	Pass
27	Import a .txt file	Select a file to import. File name - database.txt	'Database.txt imported'	Pass
28	Import a .txt without selecting a file	Click on import and so not select a text file	'No import file selected.'	Pass
29	Exporting a .txt file	Click on export and enter a filename to export. Filename - output1.txt	'Output1.txt exported'	Pass
30	Exporting a .txt without selecting a file	Click on export and do not enter a filename	'No export file selected'	Pass
31	Clearing all the items user added in the text area	Click on clear	Data is cleared from all the text fields & radio buttons are deselected	Pass
32	Checking to see if number can we entered in a text field for name	123, CS, 3/8/2021, Fulltime, 23000.	'Please input Employee name.'	Pass
33	Adding a part time employee with the hours and no rate	Jane Doe, 3/2/2021, Parttime, 20	"Please input or check the hours, rate, or annual salary with correct number value.'	Pass