

Test Document

Test Case #	Purpose of Test Case	Input Data	Expected Output
1	Tests Print Database to see GUI output for no data entered	Nothing	Employee database is empty
2	Tests Print Database to see GUI output for an empty database	Empty Database	Employee database is empty
3	Tests Print Database to see GUI output for a complete database	import button, then database.txt	<p>--Printing earning statements for all employees--</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 TIME::Annual Salary \$56,000.00</p> <p>Amy Harrison::IT::3/31/2020::Payment \$0.00::FULL TIME::Annual Salary \$69,000.00</p> <p>Eric Haskell::IT::9/1/2015::Payment \$0.00::FULL TIME::Annual Salary \$101,000.00::DepartmentHead Compensation \$365.38</p> <p>Sunny White::IT::2/28/2016::Payment \$0.00::FULL TIME::Annual Salary \$89,300.00::Manager Compensation \$192.31</p> <p>Henry Young::IT::2/1/2005::Payment \$0.00::FULL TIME::Annual Salary \$120,000.00::Director Compensation \$461.54</p> <p>Bob Scanlan::ECE::5/12/2019::Payment \$0.00::PART TIME::Hourly Rate \$24.59::Hours worked this period: 0</p> <p>Jeff Clinton::ECE::10/1/2001::Payment \$0.00::PART TIME::Hourly Rate \$39.99::Hours worked this period: 0</p> <p>Carey Wang::ECE::11/30/2017::Payment \$0.00::PART TIME::Hourly Rate \$26.59::Hours worked this period: 0</p>

4	Tests Set Hours to see GUI output for letters/symbols in Hours worked for Part time	Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Part time Hours Worked: 5k% Hourly Rate: 5	Input for Hours Worked is incorrect. Use an integer or a real number.
5	Tests Add to see GUI output for letters in salary	Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Full Time Salary (annual) : 52k	Input for Salary is incorrect. Use an integer or a real number.
6	Tests export button when there is an existing database	import, then database.txt	Database successfully exported to: export.txt
7	Tests export button when there is an empty database	Nothing	Employee database is empty.
8	Tests import button when a correct file is chosen	database.txt	Database successfully imported.
9	Tests Remove when there are no employees in the database	Nothing	Employee database is empty.
10	Tests Set Hours to see GUI output for letters/symbols in Hourly Rate for Part time	Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Part time Hours Worked: 5 Hourly Rate: 5k%	Input for Hourly Rate is incorrect. Use an integer or a real number.

11	Tests Add to see GUI output for empty Hours Worked for Part time	Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Part time Hourly Rate: 5	Hours Worked is empty.
12	Tests Add to see GUI output for empty Hourly Rate	Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Part time Hours Worked: 50	Hourly Rate is empty.
13	Tests Calculate Payments for an empty database	Nothing	Employee database is empty.
14	Tests Print By Date Hired for an empty database	Nothing	Employee database is empty.
15	Tests Print By Department for an empty database	Nothing	Employee database is empty.
16	Tests Remove for non-existent employee when there is an existing database	import, database.txt, then Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Full Time Salary (annual) : 52000	Employee does not exist.

17	Tests Add for correct input (Full time)	Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Full Time Salary(Annual): 50000	Employee added.
18	Tests Remove for correct input	Add-> Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Full Time Salary(Annual): 50000 Remove-> Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Full Time Salary(Annual): 50000	Employee removed.
19	Tests Calculate Payments for existing database	import, database.txt	Calculation of employee payments is done.
20	Tests Add for correct input (Part time)	Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Part Time Hours worked: 50 Hourly Rate: 5	Employee added.

21	Tests Add for correct input (Management)	Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Management Management: Manager Salary(Annual): 50000	Employee added.
22	Test for empty salary input (Full Time)	Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Full Time	Salary is empty.
23	Test for empty salary input (Management)	Employee Name: Test Name Department: CS Date Hired: 3/10/2021 Position: Management Management: Manager	Salary is empty.
24	Test for employee with no name	Department: CS Date Hired: 3/10/2021 Position: Full Time Salary(Annual): 50000	Name field is empty.
25	Test for employee with no date	Employee Name: Test Name Department: CS Position: Full Time Salary(Annual): 50000	Date field is empty.

26	Tests Print By Date Hired for existing database	import, database.txt	--Printing earning statements by date hired-- Jeff Clinton::ECE::10/1/2001::Payment \$0.00::PART TIME::Hourly Rate \$39.99::Hours worked this period: 0 Henry Young::IT::2/1/2005::Payment \$5,076.92::FULL TIME::Annual Salary \$120,000.00::Director Compensation \$461.54 Eric Haskell::IT::9/1/2015::Payment \$4,250.00::FULL TIME::Annual Salary \$101,000.00::DepartmentHead Compensation \$365.38 Sunny White::IT::2/28/2016::Payment \$3,626.92::FULL TIME::Annual Salary \$89,300.00::Manager Compensation \$192.31 Carey Wang::ECE::11/30/2017::Payment \$0.00::PART TIME::Hourly Rate \$26.59::Hours worked this period: 0 Charlie Brown::CS::4/30/2019::Payment \$2,153.85::FULL TIME::Annual Salary \$56,000.00 Bob Scanlan::ECE::5/12/2019::Payment \$0.00::PART TIME::Hourly Rate \$24.59::Hours worked this period: 0 John Doe::CS::6/30/2019::Payment \$2,939.62::FULL TIME::Annual Salary \$76,430.00 Amy Harrison::IT::3/31/2020::Payment \$2,653.85::FULL TIME::Annual Salary \$69,000.00 Jane Doe::CS::7/1/2020::Payment \$0.00::PART TIME::Hourly Rate \$45.90::Hours worked this period: 0
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27	Tests Print by Department for existing database	import, database.txt	--Printing earning statements by department-- Charlie Brown::CS::4/30/2019::Payment \$2,153.85::FULL TIME::Annual Salary \$56,000.00 John Doe::CS::6/30/2019::Payment \$2,939.62::FULL TIME::Annual Salary \$76,430.00 Jane Doe::CS::7/1/2020::Payment \$0.00::PART TIME::Hourly Rate \$45.90::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 Bob Scanlan::ECE::5/12/2019::Payment \$0.00::PART TIME::Hourly Rate \$24.59::Hours worked this period: 0 Henry Young::IT::2/1/2005::Payment \$5,076.92::FULL TIME::Annual Salary \$120,000.00::Director Compensation \$461.54 Eric Haskell::IT::9/1/2015::Payment \$4,250.00::FULL TIME::Annual Salary \$101,000.00::DepartmentHead Compensation \$365.38 Sunny White::IT::2/28/2016::Payment \$3,626.92::FULL TIME::Annual Salary \$89,300.00::Manager Compensation \$192.31 Amy Harrison::IT::3/31/2020::Payment \$2,653.85::FULL TIME::Annual Salary \$69,000.00
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