| Test cases | Purpose  | Input Data  | Expected Output   |
|------------|--|---|---|
| 1          | Testing to see if Adding an Employee works.                              | Parttime ->   | "Employee Added!" "Employee Added!" "Employee already exists!" "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   |
| 3          | Test to see if removing an Employee works.                               | Parttime ->   | "Employee Added!" "Employee Added!" "Employee Added!" "Employee Removed." "Employee doesn't exist!" "Employee Removed." "Employee Removed." "Employee Removed." "Employee Removed." |

| ## Salary injout: 2000 Add Employee Button Management >  |   | 1           | 1                                       | <del> </del>                                   |
|--|---|-------------|---|--|
| Management >   |   |             |   |  |
| ## Salary: 1000   Dea: 3/22/2002   Role: Manager   Add Employee Button   Partime > Dea: John   Dea: 1/22/200   Dept: CS   Remove Employee Button   Partime > Dea: John   Dea: 1/22/200   Dept: CS   Remove Employee Button   Full files   Dea: 1/22/200   Dept: CS   Remove Employee Button   Management > Dea: 1/22/2002   Role: Management   Dea: 1/22/2002   Dept: CS   Remove Employee Button   Dea: 1/22/2002   Dept: CS   Remove Employee Button   Dea: 1/22/2002   Dept: CS   Remove Employee Button   Dea: 1/22/2003   Dept: CS   Remove Employee Button   Dea: 1/22/2004   Dea: 1/22/2006   Dept: CS   Remove Employee Button   Dea: 1/22/2006   Dept: CS   Remove Employee Button   Dea: 1/22/2007   Dea: 1/22/2008   Dea: 1/22/2008   Dea: 1/22/2009   |   |             |   |  |
| ## Date 3/2/2002   Add Employee Button Partimes -  |   |             |   |  |
| ### Role: Manager And Employee Button Partitime > Dec. Jane  |   |             | 1                                       |  |
| Print Employee Data:1/2/2002 Dept: CS Remove Employee Button Pober: Doe, John Doe, Joh                                       |   |             |   |  |
| ### Doe_Jon     Doe_Jon  |   |             | Add Employee Button                     |  |
| ### Date: 1/2/2020   Dept: CS   Remove Employee Button   Partitime ->  |   |             |   |  |
| ### Print Employee ### Doe, Jane ### Doe, Ja                                       |   |             | 1                                       |  |
| Remove Employee Button Partime - Doe_John Press Print (Sort By Date Hired) Button Press Print (Sort By Department) Press Print (Sort By Department) PutTime - Doe_John Doe_Joh                                       |   |             |   |  |
| ### Partitime >>    Doe_John   |   |             | ·                                       |  |
| Date:17/2020     Dept: CS     Remove Employee Button Fulfilme >-     Dete:17/207018     Remove Employee Button Management >-     Dete:Manager Remove Employee Button Pattime >-     Dee.Jane     Dept: CS     Remove Employee Button Pattime >-     Dee.Jane     Dept: CS     Remove Employee Button     Dept: CS     Remove Employee Button Fulfilme >-     Dept: CS     Remove Employee Button Fulfilme >-     Dete:17/207018 Remove Employee Button Fulfilme >-     Dete:17/207018 Remove Employee Button Management >-     Dete:17/207018 Remove Employee Button Fulfilme >-     Dete:17/207018 Remove Employee Button Press Print (Sort By Date Hired) Button Press Print (Sort By Department) Press Print   |   |             |   |  |
| Print Employee Button FullTime > Dea. Jane   |   |             | <ul> <li>Doe, John</li> </ul>           |  |
| Remove Employee Button FullTime > De. Jane Date: 1/20/2018 Remove Employee Button Management > Date: 3/2/2002 Remove Employee Button Partitims > De. John Remove Employee Button FullTime > Date: 1/2/2018 Remove Employee Button Management > Date: 3/2/2002 Row. Employee Button Press Print (Sort By Date Hired) Button Press Print (Sort By Date Hired) Press Print (Sort By Department) Press Print (So                                       |   |             |   |  |
| FullTime >   |   |             |   |  |
| Deta:1/20/2018 Remove Employee Button Management > Deta:5/2/2002 Remove Employee Button Partitime > Doe_John Deta:1/20/2018 Remove Employee Button Partitime > Doe_John Deta:1/20/200 Remove Employee Button FullTime > Remove Employee Button FullTime > Remove Employee Button Gonly Name_Date and Dept)  Press Print (Sort By Date Hired) Button Press Print (Sort By Department) FullTime > Doe_Jane Deta:2/1/2001 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Doe_Jane:CS::1/1/2002::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 Doe_Jane:ECE::1/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00                             |   |             |   |  |
| ## Dest:1/20/2018   Remove Employee Button   |   |             |   |  |
| Management ->  |   |             |   |  |
| ## Date:3/2/2002   Role: Manager Remove Employee Button Parttime ->   Doe_John   |   |             | Remove Employee Button                  |  |
| Remove Employee Button Parttime >> Doe_John Date:1/2/2020 Dept: CS Remove Employee Button FullTime >> Doe_Jane Date:1/2/2020 Remove Employee Button FullTime >> Doe_Jane Date:1/2/2020 Remove Employee Button Management >> Date:1/2/2020 Remove Employee Button Management >> Date:3/2/2002 Remove Employee Button (Only Name,Date and Dept)  Press Print (Sort By Date Hired) Printing earning statements for all employees— 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 Doe_Jane::ECE::1/1/2000::Payment \$0.00::FULL TIME::Annual Sal                                  |   |             | _ ~                                     |  |
| Remove Employee Button Partitime > Dept: CS Remove Employee Button FullTime > Dept: CS Remove Employee Button FullTime > Debt: 1/20/2018 Remove Employee Button Management -> Date: 3/1/2002 Role: Manager Remove Employee Button (Only Name, Date and Dept)  Press Print (Sort By Date Hired) Button Press Print (Sort By Department)  PullTime > Debe, Jane De                                       | 1 |             |   |  |
| Partime > Obe_John Date:1/2/2020 Dept: CS Remove Employee Button FullTime > Date:1/2/2018 Remove Employee Button Management > Date:3/2/2002 Role: Manager Remove Employee Button Press Print (Sort By Date Hired) Button Press Print (Sort By Department) FullTime > De_Jane Date:2/1/2001 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime > Doe_Jane Date:1/1/2002: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::2/1/2002:Payment \$0.00:FULL TIME::Annual Salary \$85,000.00   |   |             | 1                                       |  |
| Dept. 1/2/2020   Dept. CS   Remove Employee Button   |   |             |   |  |
| Date:1/2/2020 Dept: CS Remove Employee Button FullTime > Doe_Jane Date:1/2/2002 Print Employee Remove Employee Button Management > Date:3/2/2002 Remove Employee Button Management > Date:3/1/2002 Remove Employee Button Management > Date:3/1/2002 Remove Employee Button FullTime > Doe_Jane Date:3/1/2002 Remove Employee Button FullTime > Date:3/1/2002 Remove Employee Button FullTime > Doe_Jane Date:3/1/2002 Remove Employee Button FullTime > Doe_Jane Date:3/1/2002 Remove Employee Button FullTime > Doe_Jane Date:3/1/2002 Remove Employee Button FullTime > Date:3/1/2001 Date:3/1/2002 Remove Employee Button FullTime > Date:3/1/2002 Remove Edatabase is empty!  |   |             |   |  |
| Remove Employee Button   Date:1/20/2018   Remove Employee Button   |   |             |   |  |
| FullTime ->  |   |             |   |  |
| Doe_Jane     Deta:1/12/02018 Remove Employee Button     Management ->     Data:1/20/2002     Role: Manager Remove Employee Button     (Only Mane, Date and Dept)  Press Print Button Press Print (Sort By Date Hired) Button Press Print (Sort By Department)  FullTime ->     Doe_Jane     Data:2/1/2001     Doe_Jane     Data:2/1/2001     Doe_Jane     Doe_Jane: CS::2/1/2001::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00     Doe_Jane: CS::1/1/2000::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00     Doe_Jane: CS::1/1/2000:Payment \$0.00::FULL TIME::Annual Salary \$85,000.00     Doe_Jane: CS::1/1/200::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00     Doe_Jane: CS::1/1/200::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00     Doe_Jane: CS::1/1/200::Payment \$0.00::FULL TIME::Annual |   |             |   |  |
| ### Date::1/2/2018 Remove Employee Button Management ->  |   |             |   |  |
| Remove Employee Button Management ->   |   |             | 1                                       |  |
| Management ->  |   |             |   |  |
| Print Employee Database, normally, by date, and by department.  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:3/1/2002 Salary input: 85000 Add Employee Button FullTime ->  Doe_Jane Doe_Jane:ECE::2/1/2000::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 Doe_Jane::ECE::2/1/2001::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::2/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00   |   |             |   |  |
| Remove Employee Button (Only Name,Date and Dept)  4 Print Employee Database, normally, by date, and by department.  Press Print (Sort By Date Hired) Button Press Print (Sort By Department)  FullTime ->  |   |             |   |  |
| Print Employee Database, normally, by date, and by department.  Press Print (Sort By Date Hired) Button Press Print (Sort By Department)  FullTime ->  Doe,Jane Doe,Jane:ECE::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 Doe,Jane::ECE::1/1/2001::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Doe,Jane::ECE::1/1/2001::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Doe,Jane::ECE::1/1/2001::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  |   |             |   |  |
| Print Employee Database, normally, by date, and by department.  Press Print (Sort By Date Hired) Button Press Print (Sort By Department)  FullTime ->  Doe_Jane Doe_Jane:ECE::1/1/2000::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 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::ECE::2/1/2001::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Doe_Jane::ECE::1/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00   |   |             | Remove Employee Button                  |  |
| Print Employee Database, normally, by date, and by department.  Press Print (Sort By Date Hired) Button Press Print (Sort By Department)  FullTime ->  Doe_Jane Doe_Jane:ECE::1/1/2000::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 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::ECE::2/1/2001::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Doe_Jane::ECE::1/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00   |   |             | (Only Name, Date and Dept)              |  |
| Database, normally, by date, and by department.  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 Doe,Jane:ECE::1/1/2000::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 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::ECE::1/1/2002::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::TIME::Annual Salary \$85,000.00  |   |             |   |  |
| by date, and by department.  Button Press Print (Sort By Department)  FullTime ->  Doe, Jane Doe                                       | 4 |             |   |  |
| Press Print (Sort By Department)   |   |             | ` * * * * * * * * * * * * * * * * * * * |  |
| -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::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 for all employees 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 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::CS::1/1/2002::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::T::3/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00  |   |             |   | Employee database is empty!                    |
| FullTime ->  |   | department. | Press Print (Sort By Department)        | Duinting coming statements for all acceptance  |
| Doe, Jane  | 1 |             | EullTime >                              |  |
| ■ 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 ■ Doe,Jane ■ Date:1/1/2002 ■ Salary input: 85000 Add Employee Button FullTime -> ■ Doe,Jane ■ Date:1/1/2002 ■ Salary input: 85000 Add Employee Button FullTime -> Add Employee Button FullTime -> Add Employee Button FullTime -> Add Employee Button ■ Doe,Jane ■ Date:1/1/2000 ■ Salary input: 85000 Add Employee Button ■ Doe,Jane ■ Date:1/1/2000 ■ Salary input: 85000 Add Employee Button ■ Doe,Jane ■ Date:1/1/2000 ■ Salary input: 85000 Add Employee Button ■ Doe,Jane ■ Date:1/1/2000 ■ Salary input: 85000 Add Employee Button ■ Doe,Jane ■ Date:1/1/2000 ■ Salary \$85,000.00 Doe,Jane::CS::1/1/2000::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Doe,Jane::CS::1/1/2000::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  |   |             |   | Due, Jane::EUE::2/1/2001::Payment \$0.00::FULL |
| Salary input: 85000 Add Employee Button FullTime ->  |   |             |   |  |
| Doe,Jane::CS::1/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Doe,Jane:Obe,Jane:ECE::1/1/2000::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Add Employee Button FullTime ->  Doe,Jane:ECE::1/1/2000::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Print ing earning statements by date hiredPrint 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::CS::1/1/2002::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::CS::1/1/2000::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   | 1 |             |   | · · · · · · · · · · · · · · · · · · ·          |
| Salary \$85,000.00 Doe,Jane::ECE::1/1/2000::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00  Add Employee Button FullTime -> Doe,Jane Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime ->Add Employee Button Doe,Jane 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::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::T::3/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00  | 1 |             |   |  |
| Doe,Jane::ECE::1/1/2000::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::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   |   |             |   |  |
| <ul> <li>Salary input: 85000</li> <li>Add Employee Button</li> <li>FullTime -&gt; <ul> <li>Doe, Jane</li> <li>Date:1/1/2002</li> <li>Salary input: 85000</li> </ul> </li> <li>Add Employee Button</li> <li>FullTime -&gt; Add Employee Button</li> <li>Doe, Jane</li> <li>Doe, Jane</li> <li>Doe, Jane</li> <li>Doe, Jane</li> <li>Doe, Jane</li> <li>Salary input: 85000</li> <li>Add Employee Button</li> <li>Salary input: 85000</li> <li>Add Employee Button</li> <li>Salary input: 85000</li> <li>Add Employee Button</li> </ul> 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 Doe, Jane::IT::3/1/2002::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 Salary \$85,000.00 Doe, Jane::IT::3/1/2002::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 Salary \$85,000.00 Doe, Jane::IT::3/1/2002::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 Salary \$85,000.00 Doe, Jane::IT::3/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Salary \$85,000.00   | 1 |             | 1                                       |  |
| Add Employee Button FullTime ->  Doe, Jane Date: 1/1/2002 Salary input: 85000 Add Employee Button FullTime -> Add Employee Button Doe, Jane Doe, Jane Date: 1/1/2000 Salary input: 85000 Add Employee Button Doe, Jane Doe, Jane Salary input: 85000 Add Employee Button Salary input: 85000 Add Employee Button Salary input: 85000 Add Employee Button 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  |   |             |   |  |
| 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 Doe, Jane Salary input: 85000 Add Employee Button Salary input: 85000 Add Employee Button Salary input: 85000 Add Employee Button Salary \$85,000.00 Doe, Jane::CS:::/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Doe, Jane::CS:://1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00 Salary \$85,000.00 Doe, Jane::T::3/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00  | 1 |             |   |  |
| Print by Date: Date:1/1/2002 Salary input: 85000 Add Employee Button FullTime ->Add Employee Button Date:1/1/2000 Salary input: 85000 Add Employee Button Date:1/1/2000 Salary input: 85000 Add Employee Button Salary input: 85000 Add Employee Button Salary input: 85000 Add Employee Button 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   |   |             |   | Printing earning statements by date hired      |
| • 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 • Doe, Jane • Date:1/1/2000 • Salary input: 85000 Add Employee Button • Salary input: 85000 Add Employee Button  • 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  | 1 |             | 1                                       |  |
| TIME::Annual Salary \$85,000.00 Add Employee Button FullTime ->Add Employee Button   | 1 |             |   | Doe,Jane::ECE::1/1/2000::Payment \$0.00::FULL  |
| FullTime ->Add Employee Button  Doe,Jane  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  Doe,Jane::IT::3/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00   |   |             |   | TIME::Annual Salary \$85,000.00                |
| ● Doe, Jane ● Date:1/1/2000 ● Date:1/1/2000 ● Salary input: 85000 Add Employee Button  ■ 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   | 1 |             |   | Doe,Jane::ECE::2/1/2001::Payment \$0.00::FULL  |
| Salary input: 85000 Add Employee Button Salary \$85,000.00 Doe,Jane::IT::3/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85,000.00  |   |             |   |  |
| Add Employee Button Doe, Jane::IT::3/1/2002::Payment \$0.00::FULL TIME::Annual Salary \$85.000.00  |   |             | • Date:1/1/2000                         |  |
| Salary \$85,000,00   |   |             |   |  |
| Press Print Button Salary \$85,000.00  | 1 |             | Add Employee Button                     |  |
| 1 1033 Filit Button  | 1 |             | Press Print Button                      | Salary \$85,000.00                             |
|  |   |             | 1.1500 Filit Batton                     |  |

|   |  | 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 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  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!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<br>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<br>\$85,000.00<br>Cook,<br>Food::CS::2/21/2001::Payment<br>\$0.00::PART TIME::Hourly Rate<br>\$10.00::Hours worked this period:<br>10  | TIME::Annual Salary \$85,000.00<br>Food::CS::2/21/2001::Payment \$100.00::PART TIME::Hourly<br>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  |