**Functional Requirements:**

1. **Employee Management:**
   * The system should allow adding new employees with details such as ID, name, and gross pay.
   * It should support updating employee information including gross pay.
   * Finance officers should be able to remove employees from the system.
2. **Tax Calculation:**
   * The system should automatically calculate taxes based on predefined tax bands.
   * Different tax rates should apply to different salary ranges (30% for 24,000 to 150,000, 32% for 151,000 to 250,000, and 35% for above 251,000).
3. **Deductions:**
   * The system should compute housing levy at a rate of 1.5% of the gross salary.
   * It should calculate the National Health Insurance Fund (NHIF) charge at a rate of 2.75% of the gross salary.
4. **Payslip Generation:**
   * The system should generate a payslip for each employee showing gross pay, deductions (tax, housing levy, NHIF), and net pay.
5. **File Handling:**
   * Employee data and payroll information should be stored in a file.
   * The system should read from the file to retrieve employee data and update payroll information.

**Non-Functional Requirements:**

1. **User Interface:**
   * The system should provide a simple and intuitive command-line interface for finance officers to input employee details and view payslips.
2. **Error Handling:**
   * Robust error handling mechanisms should be in place to manage input errors, file access issues, and other runtime exceptions.
3. **Performance:**
   * The system should be able to handle a reasonable number of employees efficiently, ensuring smooth performance during data retrieval, calculations, and file operations.
4. **Reliability:**
   * The system should be reliable, accurately calculating taxes and deductions based on predefined rules and consistently generating correct payslips.
5. **Security:**
   * Data stored in the file should be secure and accessible only to authorized personnel.
   * Proper authentication mechanisms should be implemented to prevent unauthorized access to sensitive payroll information.
6. **Scalability:**
   * The system should be designed to accommodate future enhancements and scalability requirements, such as adding new features or handling a larger number of employees.

Use Cases:

1. **Login**: Actors log in to the system.
2. **Logout**: Actors log out of the system.
3. **Manage Employee Information**: can add, edit, or delete employee information.
4. **Calculate Salary**: Payroll Clerk calculates salaries based on employee data and predefined rules.
5. **Generate Payroll Report**: Payroll Clerk generates reports for salary payments, tax deductions, etc.
6. **Update Employee Records**:can update employee records as needed.
7. **View Payslip**: Employee can view their payslip.