

Bug ID: BUG-001

Title: A special character is allowed to be entered in the “First Name” field when adding an employee.

Description: When the user enters a first name containing special characters (e.g., "John@Doe"), the system does not display any validation error and allows the name to be registered successfully. This issue is also present when editing an existing employee.

Steps to Reproduce:

1. Navigate to the login <https://wmxrww14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Add Employee” button
6. Enter a first name with special character
7. Enter a valid last name
8. Enter a valid number in Dependents field
9. Click on the “Add” button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-002

Title: A special character is allowed to be entered in the “Last Name” field when adding an employee.

Description: When the user enters a last name containing special characters (e.g., "Doe#"), the system does not display any validation error and allows the name to be registered successfully. This issue is also present when editing an existing employee.

Steps to Reproduce:

1. Navigate to the login <https://wmxrww14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Add Employee” button
6. Enter a valid first name
7. Enter a last Name with special character
8. Enter a valid number in Dependents field
9. Click on the “Add” button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-003

Title: A decimal number is allowed to be entered in the “dependents” field when adding an employee.

Description: When the user enters a decimal number in the "Dependents" field, the system automatically rounds the input and only records the integer portion, disregarding any decimal values. For example, if the user enters "2.5", the system saves it as "2" without any warning or notification to the user. This issue is also present when editing an existing employee.

Steps to Reproduce:

1. Navigate to the login <https://wmxrww14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Add Employee” button
6. Enter a valid First Name
7. Enter a valid last Name
8. Enter a decimal number in Dependents field
9. Click on the “Add” button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-004

Title: A number is allowed to be entered in the “First Name” field when adding an employee.

Description: When the user enters a number as first name (e.g., "7"), the system does not display any validation error and allows the name to be registered successfully. This issue is also present when editing an existing employee.

Steps to Reproduce:

1. Navigate to the login <https://wmxrww14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Add Employee” button
6. Enter a number as first name
7. Enter a valid last name
8. Enter a valid number in Dependents field

9. Click on the "Add" button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-005

Title: A number is allowed to be entered in the "Last Name" field when adding an employee.

Description: When the user enters a number as last name (e.g., "1"), the system does not display any validation error and allows the name to be registered successfully. This issue is also present when editing an existing employee.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the "Log In" button
5. Click on the "Add Employee" button
6. Enter a valid first name
7. Enter a number as last name
8. Enter a valid number in Dependents field
9. Click on the "Add" button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-006

Title: A single letter is allowed to be entered in the "First Name" field when adding an employee.

Description: When the user enters a single letter as first name (e.g., "p"), the system does not display any validation error and allows the name to be registered successfully. This issue is also present when editing an existing employee.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the "Log In" button
5. Click on the "Add Employee" button
6. Enter a single letter as first name
7. Enter a valid last name

8. Enter a valid number in Dependents field
9. Click on the "Add" button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-007

Title: A single letter is allowed to be entered in the “Last Name” field when adding an employee.

Description: When the user enters a single letter as last name (e.g., "n"), the system does not display any validation error and allows the name to be registered successfully. This issue is also present when editing an existing employee.

Steps to Reproduce:

1. Navigate to the login <https://wmxrqw14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Add Employee” button
6. Enter a valid first name
7. Enter a single letter as last name
8. Enter a valid number in Dependents field
9. Click on the “Add” button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-008

Title: An extensive name is allowed to be entered in the “First Name” field when adding an employee.

Description: When the user enters an extensive name as first name (e.g., "Johhhhhhhhhnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn "), the system does not display any validation error and allows the name to be registered successfully. This issue is also present when editing an existing employee.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/LogIn>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button

5. Click on the "Add Employee" button
6. Enter an extensive name as first name
7. Enter a valid last name
8. Enter a valid number in Dependents field
9. Click on the "Add" button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-009

Title: An extensive name is allowed to be entered in the "Last Name" field when adding an employee.

Description: When the user enters an extensive name as first name (e.g., "Suaaaaaaareeeeeezzzzzzzzzzzzzzzzzzz"), the system does not display any validation error and allows the name to be registered successfully. This issue is also present when editing an existing employee.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwg14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the "Log In" button
5. Click on the "Add Employee" button
6. Enter a valid first name
7. Enter an extensive name as last name
8. Enter a valid number in Dependents field
9. Click on the "Add" button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-010

Title: The system allows duplicated values when adding an employee.

Description: When the user attempts to edit an employee with the same details as an existing employee, the system does not display any validation error and allows the duplicate employee to be registered successful. This issue is also present when editing an existing employee.

Preconditions: Should be at least one employee already register

Steps to Reproduce:

1. Navigate to the login <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/LogIn>
2. Enter a valid Username
3. Enter valid Password
4. Click on the "Log In" button
5. Check the first name and last name of an employee already register (called Employee Example)
6. Click on the "Add Employee" button
7. Enter the same first name of the "Employee Example"
8. Enter the same last name of the "Employee Example"
9. Enter a valid number in Dependents field
10. Click on the "Update" button
11. After add the employee, observe that the employee has been added and there are two employees with the same data

Bug ID: BUG-011

Title: A special character is allowed to be entered in the "First Name" field when editing an employee.

Description: When the user enters a first name containing special characters (e.g., "John@Doe"), the system does not display any validation error and allows the name to be registered successfully. This issue also occurs during employee registration.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/LogIn>
2. Enter valid Username
3. Enter valid Password
4. Click on the "Log In" button
5. Click on the "Edit Icon" of an employee
6. Enter a first name with special character
7. Enter a valid last name
8. Enter a valid number in Dependents field
9. Click on the "Update" button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-012

Title: A special character is allowed to be entered in the "Last Name" field when editing an employee.

Description: When the user enters a last name containing special characters (e.g., "Doe#"), the system does not display any validation error and allows the name to be registered successfully. This issue also occurs during employee registration.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the "Log In" button
5. Click on the "Edit Icon" of an employee
6. Enter a valid first name
7. Enter a last Name with special character
8. Enter a valid number in Dependents field
9. Click on the "Update" button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-013

Title: A decimal number is allowed to be entered in the "dependents" field when editing an employee.

Description: When the user enters a decimal number in the "Dependents" field, the system automatically rounds the input and only records the integer portion, disregarding any decimal values. For example, if the user enters "2.5", the system saves it as "2" without any warning or notification to the user. This issue also occurs during employee registration.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the "Log In" button
5. Click on the "Edit Icon" of an employee
6. Enter a valid First Name
7. Enter a valid last Name
8. Enter a decimal number in Dependents field
9. Click on the "Update" button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-014

Title: A number is allowed to be entered in the “First Name” field when editing an employee.

Description: When the user enters a number as first name (e.g., "7"), the system does not display any validation error and allows the name to be registered successfully. This issue also occurs during employee registration.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwg14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Edit Icon” of an employee
6. Enter a number as first name
7. Enter a valid last name
8. Enter a valid number in Dependents field
9. Click on the “Update” button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-015

Title: A number is allowed to be entered in the “Last Name” field when editing an employee.

Description: When the user enters a number as last name (e.g., "1"), the system does not display any validation error and allows the name to be registered successfully. This issue also occurs during employee registration.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwg14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Edit Icon” of an employee
6. Enter a valid first name
7. Enter a number as last name
8. Enter a valid number in Dependents field
9. Click on the “Update” button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-016

Title: A single letter is allowed to be entered in the “First Name” field when editing an employee.

Description: When the user enters a single letter as first name (e.g., "p"), the system does not display any validation error and allows the name to be registered successfully. This issue also occurs during employee registration.

Steps to Reproduce:

1. Navigate to the login <https://wmxrww14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Edit Icon” of an employee
6. Enter a single letter as first name
7. Enter a valid last name
8. Enter a valid number in Dependents field
9. Click on the “Update” button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-017

Title: A single letter is allowed to be entered in the “Last Name” field when editing an employee.

Description: When the user enters a single letter as last name (e.g., "n"), the system does not display any validation error and allows the name to be registered successfully. This issue also occurs during employee registration.

Steps to Reproduce:

1. Navigate to the login <https://wmxrww14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Edit Icon” of an employee
6. Enter a valid first name
7. Enter a single letter as last name
8. Enter a valid number in Dependents field
9. Click on the “Update” button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-018

Title: An extensive name is allowed to be entered in the “First Name” field when editing an employee.

Description: When the user enters an extensive name as first name (e.g., "Johhhhhhhhhnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn"), the system does not display any validation error and allows the name to be registered successfully. This issue also occurs during employee registration.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwg14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Edit Icon” of an employee
6. Enter an extensive name as first name
7. Enter a valid last name
8. Enter a valid number in Dependents field
9. Click on the “Update” button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-019

Title: An extensive name is allowed to be entered in the “Last Name” field when editing an employee.

Description: When the user enters an extensive name as first name (e.g., "Suaaaaaaareeeeezzzzzzzzzzzzzzzzzzzz"), the system does not display any validation error and allows the name to be registered successfully. This issue also occurs during employee registration.

Steps to Reproduce:

1. Navigate to the login <https://wmxrwg14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the “Log In” button
5. Click on the “Edit Icon” of an employee
6. Enter a valid first name
7. Enter an extensive name as last name
8. Enter a valid number in Dependents field

9. Click on the "Update" button
10. After add the employee, observe that the employee has been added

Bug ID: BUG-020

Title: The system allows duplicated values when editing an employee.

Description: When the user attempts to register an employee with the same details as an existing employee, the system does not display any validation error and allows the duplicate employee to be registered successful. This issue also occurs during employee registration.

Preconditions: Should be at least one employee already register

Steps to Reproduce:

1. Navigate to the login <https://wmxrww14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter a valid Username
3. Enter valid Password
4. Click on the "Log In" button
5. Check the first name and last name of an employee already register (called Employee Example)
6. Click on the "Edit Icon" of an employee
7. Enter the same first name of the "Employee Example"
8. Enter the same last name of the "Employee Example"
9. Enter a valid number in Dependents field
10. Click on the "Update" button
11. After add the employee, observe that the employee has been added and there are two employees with the same data

Bug ID: CALC-001

Title: Incorrect Gross Pay, Benefits Cost and Net Pay calculations for employee without dependents

Description: When calculating the **Gross Pay**, **Benefits Cost**, and **Net Pay** for an employee with no dependents, the system incorrectly computes these values based on the provided assumptions

Steps to Reproduce:

1. Navigate to the login <https://wmxrww14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username

3. Enter valid Password
4. Click on the "Log In" button
5. Click on the "Add Employee" button
6. Enter a valid first name
7. Enter a valid last name
8. Enter a 0 in Dependents field
9. Click on the "Add" button
10. After add the employee, check the displayed **Gross Pay**, **Benefits Cost** and **Net Pay** values.

Expected Result:

Gross Pay: \$52,000.00

Benefits Cost: \$1,000.00

Net Pay: \$51,000.00

Actual Result:

Gross Pay: \$2,000.00

Benefits Cost: \$38.46

Net Pay: \$1961.54

Bug ID: CALC-002

Title: Incorrect Gross Pay, Benefits Cost and Net Pay calculations for employee with dependents

Description: When calculating the **Gross Pay**, **Benefits Cost**, and **Net Pay** for an employee with dependents, the system incorrectly computes these values based on the provided assumptions

Steps to Reproduce:

1. Navigate to the login <https://wmxrwwq14uc.execute-api.us-east-1.amazonaws.com/Prod/Account/Login>
2. Enter valid Username
3. Enter valid Password
4. Click on the "Log In" button
5. Click on the "Add Employee" button
6. Enter a valid first name
7. Enter a valid last name
8. Enter a 2 in Dependents field
9. Click on the "Add" button

10. After add the employee, check the displayed **Gross Pay**, **Benefits Cost** and **Net Pay** values.

Expected Result:

Gross Pay: \$52,000.00

Benefits Cost: \$2,000.00

Net Pay: \$50,000.00

Actual Result:

Gross Pay: \$2,000.00

Benefits Cost: \$76.92

Net Pay: \$1,923.08