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STE Assessment- Bug Challenge

Content:

Page 1 to 4: UI bugs

Page 5 to 6: API bugs

A list of all the bugs/defects/flaws found in the UI:

1. While 'adding' employee's information in table, First Name and Last Name get interchanged on Benefits Dashboard page [This is an UI bug. API is behaving correctly]
2. Employers can add below invalid entries for First Name and last Name:
 - Only Numbers (Example: First Name: 123445 Last Name: 123456
 - Only Special characters (Example: First Name: {}[]./,[''//<> Last Name: ;:[.'][]/.
3. While adding employee's information, employer was not able to add more than 32 dependents [This is an UI bug. API is throwing error with proper error message]
4. There is a spelling mistake in the word 'Dependants' on Add Employee modal
5. While 'editing' employee's information in table, First Name and Last Name get interchanged on Benefits Dashboard page
6. Employers can edit below invalid entries for First Name and last Name:
 - Only Numbers (Example: First Name: 123445 Last Name: 123456
 - Only Special characters (Example: First Name: {}[]./,[''//<> Last Name: ;:[.'][]/.
7. While 'editing' employee's information, employer was not able to add more than 32 dependents [This is an UI bug. API is behaving correctly]
8. Header of Edit Employee modal is appearing as "Add Employee"
9. There is a spelling mistake in the word 'Dependants' on Edit Employee modal
10. Inconsistency while adding employee's information.

Note: After adding 8 employee records, I was not able to add more employee's record in table. However, after refreshing page I was able to add more employees record in table.

Steps to reproduce (Details) for above issues:

Issue 1: While 'adding' employee's information in table, First Name and Last Name get interchanged on Benefits Dashboard page [This is an UI bug. API is behaving correctly]

Steps to reproduce:

1. Log in with valid Username and Password
2. Click on 'Add Employee' button
3. Enter 'First Name' and 'Last Name'
4. Click on 'Add' Button
5. See Employee details in table on the Benefits Dashboard page

Actual Behavior:

1. First Name of employee appears under 'Last Name' column in table.

2. Last Name of employee appears under 'First Name' column in table.

Expected Behavior:

First Name of employee should appear under 'First Name' column in table

Last Name of employee should appear under 'Last Name' column in table

Issue 2: Employers can 'Add' below invalid entries for First Name and last Name:

- Only Numbers (Example: First Name: 123445 Last Name: 123456
- Only Special characters (Example: First Name: {}[]./,[''//<> Last Name: ;[.'']/

Steps to reproduce:

1. Log in with valid Username and Password
2. Click on 'Add Employee' button
3. Enter First Name: 123445 and Last Name: 654321
4. Click on 'Add' Button
5. See Employee details in table

Actual Behavior:

Employee is successfully added in the system with provided information

Expected Behavior:

There should be an UI validation error thrown. Employee should not be added in system

Issue 3: While adding employee's information, employer was not able to add more than 32 dependents [This is an UI bug. API is throwing error with proper error message]

Steps to reproduce:

1. Log in with valid Username and Password
2. Click on 'Add Employee' button
3. Enter valid First Name and Last Name
4. Enter dependents: 33
5. Click on 'Add' button

Actual Behavior:

Nothing happens on page and employee is not added in the table

Expected Behavior:

1. API throws error message that 'The field Dependants must be between 0 and 32'
2. UI should display user friendly message so that user would understand the error

Issue 4: There is a spelling mistake in the word 'Dependants' on Add Employee modal

Steps to reproduce:

1. Log in with valid Username and Password
2. Click on 'Add Employee' button
3. Notice Add Employee Modal

Actual Behavior:

Dependents label is spelled wrongly as 'Dependants'

Expected Behavior:

Dependents label should be spelled correctly

Issue 5: While 'editing' employee's information in table, First Name and Last Name get interchanged on Benefits Dashboard page

Steps to reproduce:

1. Log in with valid Username and Password
2. Select Employee's record in table, click on action Edit icon
3. Enter 'First Name' and 'Last Name'
4. Click on 'Edit' Button
5. See Employee details in table on the Benefits Dashboard page

Actual Behavior:

1. First Name of employee appears under 'Last Name' column in table.
2. Last Name of employee appears under 'First Name' column in table.

Expected Behavior:

1. First Name of employee should appear under 'First Name' column in table
2. Last Name of employee should appear under 'Last Name' column in table

Issue 6: Employers can edit below invalid entries for First Name and last Name:

- Only Numbers (Example: First Name: 123445 Last Name: 123456)
- Only Special characters (Example: First Name: {}[]./,[''//<> Last Name: ;:[.'])/.

Steps to reproduce:

1. Log in with valid Username and Password
2. Select Employee's record in table, click on action Edit icon
3. Enter First Name: 123445 and Last Name: 654321
4. Click on 'Edit' Button
5. See Employee details in table

Actual Behavior:

Employee is successfully updated in the system with provided information

Expected Behavior:

There should be an UI validation error thrown. Employee should not be updated.

Issue 7: While ‘editing’ employee’s information, employer was not able to add more than 32 dependents [This is an UI bug. API is behaving correctly]

Steps to reproduce:

1. Log in with valid Username and Password
2. Select Employee’s record in table, click on action Edit icon
3. Enter dependents: 33
4. Click on ‘Edit’ button

Actual Behavior:

Nothing happens on page and employee is not updated in the table

Expected Behavior:

1. API throws error message that ‘The field Dependants must be between 0 and 32’
2. UI should display user friendly message so that user would understand the error

Issue 8: Header of Edit Employee modal is appearing as “Add Employee”

Steps to reproduce:

1. Log in with valid Username and Password
2. Select Employee’s record in table, click on action Edit icon
3. Notice Edit Employee modal

Actual Behavior:

Header of Edit modal is appearing “Add Employee”

Expected Behavior:

Header of Edit modal should be “Edit Employee”

Issue 9: There is a spelling mistake in the word ‘Dependants’ on Edit Employee modal

Steps to reproduce:

1. Log in with valid Username and Password
2. Select Employee’s record in table, click on action Edit icon
3. Notice Edit Employee Modal

Actual Behavior:

Dependents label is spelled wrongly as ‘Dependants’

Expected Behavior:

Dependents label should be spelled correctly

A list of all the bugs/defects/flaws found in the APIs

Issue 1: All APIs have a spelling mistake in spelling of 'dependants'

Actual Behavior:

dependents field is spelled as dependants

Expected Behavior:

dependents field should be spelled correctly

Issue 2: Post/Put API for Add Employee accepts invalid entries for firstName and lastName

Steps to reproduce:

1. url: <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>
2. Headers: Content type: applicaton/json, Authorization
3. Use "firstName": "12345"
4. Use "lastName": "9999"
5. Send API request

Actual Behavior:

1. Response Status Code: 200 OK
2. An entry of Employee is created with firstName = 12345 and lastName = 9999

Expected Behavior:

1. Response Status: 400 Bad request
2. There should an error message for that

Steps to reproduce:

1. url: <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>
2. Headers: Content type: applicaton/json, Authorization
3. Use "firstName": "{} {}[]"
4. Use "lastName": "[][(*)"
5. Send API request

Actual Behavior:

1. Response Status Code: 200 OK
2. An entry of Employee is created with firstName = {} {}[] and lastName = [][(*

Expected Behavior:

1. Response Status: 400 Bad request
2. There should an error message for that

Issue 3: Put API for Edit Employee creates invalid Employee entry when nonexistent id is used

Steps to reproduce:

1. API: PUT <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>
2. Headers: Content type: application/json, Authorization
3. Provide valid firstName, lastName, dependents count
4. Provide nonexistent id in body
5. Send API request

Actual Behavior:

1. Response Status Code: 200 OK
2. An entry of Employee is created with provided firstName and lastName
3. It has a real id with invalid salaries

Expected Behavior:

1. Response Status should be 404 Not Found
2. Employee entry should not be created in application

Issue 4: Put API for Edit Employee defaults dependents to zero when not provided in request body

Steps to reproduce:

1. API: PUT <https://wmxrwq14uc.execute-api.us-east-1.amazonaws.com/Prod/api/employees>
2. Headers: Content type: application/json, Authorization
3. Provide valid firstName and lastName
4. Provide valid id in body that has more than 1 dependents in it
5. Do not provide dependents field in request
6. Send API request

Actual Behavior:

1. Response Status Code: 200 OK
2. Dependents count is set to 0

Expected Behavior:

1. Put call should not default the dependents count. There should be a validation error message.