

Web Application Common Defects

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1

Agenda

- Web Applications Common Defects

Web Applications Common Defects

Common Defect 1

Alignment of fields, texts

Description

- The texts are not vertically left or right aligned.
- The fields are not vertically left and right aligned.
- All text should be left-justified
- All numeric fields are right-justified

Cause

There is no GUI template

Preventive action

Use CSS Style Sheet and GUI template

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3

Di chuyển qua phần web (Advanced Java Programming)

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Common Defect 2 Layouts in all pages

Description

All windows and dialog boxes don't have a consistent look and feel. Following items are not the same:

- Font of text
- Color and Background
- Header and footer
- Size of Logo
- Date format

Cause

There is no GUI template

Preventive action

Use CSS Style Sheet and GUI template

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Mockup Screen

HTML

-Control nhập liệu

CSS

-...

Tag (property of tag)

Tag (id, css)

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Common Defect 3 Symbol for mandatory fields

Description

There is no symbol for mandatory fields to remind users.

Cause

Coding careless

Preventive action

Use template (*)

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Common Defect 4

The buttons don't have the same height and distances

Description

The height of buttons and the distances between them in a page and in all pages are not the same

Cause

Graphic design
No GUI template

Preventive action

Use CSS Style Sheet and GUI template

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Common Defect 5

Data in combo box, list box

Description

Data in combo box/ list box is not sorted

Cause

Coding careless

Preventive action

Use checklist

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Common Defect 6 Different browsers

Description

The layout in all required browsers is not correctly (e.g. in Netscape, the alignment, the distances, positions of images ... are not correct as in IE)

Cause

Non compatibility between IE , FireFox and Netscape...

Preventive action

- Use CSS Style Sheet
- Should clarify earlier when we get the requirement from the customer
- Simple pages should be used more frequently

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Common Defect 7

Cannot move between fields by using Tab key and Shift +Tab keys

Description

Users cannot use Tab key to move to next enterable fields and Shift + Tab keys to previous enterable fields.

Cause

Not set Tab index

Preventive action

Set Tab index

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Common Defect 8 Cursor location

Description

- The cursor is not located in the first enterable field when the screen is opened.
- After an error message occurs, the focus does not return to the error field.

Cause

Not focus on load

Preventive action

Set focus

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Common Defect 9

Images with links have blue borders

Description

Should hide the color of border of the image.

Cause

Coding

Preventive action

Set border properties = 0

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Common Defect 10

Incorrect links or the link does not work

Description

The links are not correctly. After clicking the links, error page or wrong page is displayed.

Cause

Coding

Preventive action

- Use tool to **test broken links**
- Use global variables to control
- Directly links need to be coded by experienced developers

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Common Defect 11

Using mouse and keyboard

Description

In general, everything can be done using both the mouse and the keyboard.

Cause

Not set focus

Preventive action

Set focus

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Common Defect 12

Error by input HTML tags, character '

Description

Should prevent errors when user inputs HTML tags or character ' in text fields. HTML tags can destroy the layout.

Cause

Careless, un-experienced coding

Preventive action

Use **HTML Encode, URL Encode and SQL Encode**

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Common Defect 13

Start date is greater than End date

Description

The logic of date is not checked, user can type Start date greater than End date, or From date is greater than To date...

Cause

Careless, un-experienced coding

Preventive action

Use checklist

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Common Defect 14

Users can return to Web application after logout

Description

- Users can back to previous page after logout by clicking "Back" button in Toolbars.
- When users logout, they cannot back to web application, and must input username and password again to login

Cause

Un-experienced coding

Preventive action

- Set cache of page = 0
- Re-set session variables
- Check session to assure that it is still active at the beginning of the page.

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Common Defect 15

Multiple users

Description

The application does not support many concurrent users as required.

Cause

Design/Coding

Preventive action

- Close connection immediately
- Optimize design, code
- Use tool to test

Xóa slides



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18