

CONTOH TEMPLATE GUI TESTING

BASED ON BEST PRACTISE

SUMBER PERUSAHAAN X (MAAF GA BISA DISEBUTKAN NAMA
PERUSAHAANYA, BERASAL DARI JEPANG)

ASRI MASPUPAH

TUJUAN

Pengujian dilakukan pada dua focus utama, yaitu

- ❖ Layout Screen, form screen testing. Terdapat beberapa komponen
 1. Screen Component → komponen pembentuk screen, misalnya windows tittle, icon logo, minimize, scroll bar dll.
 2. Common Component → komponen umum
 3. Layout Check → design screen
- ❖ Operasi yang dilakukan screen tersebut → terkait functional testing
→ Ini sudah dibahas selama setengah semester ini

Screen Component

Dibawah ini, merupakan contoh komponen yang diterapkan pada perusahaan X. Dimana sebenarnya bisa cari lagi yang termasuk kedalam komponen ini

1. Check Screen Title, Contoh Test Case

| CONDITION/PROCEDURE | EXPECTED RESULT | EVIDANCE | TEST | | |
|---------------------|--|----------|------|----|--------|
| | | | DATE | BY | RESULT |
| a. Window Title | a. Show Screen Name on Window Title: Trade Partner Master | | | | |
| | | | | | |

Common Component

Dibawah ini, merupakan contoh komponen yang diterapkan pada perusahaan X. Dimana sebenarnya bisa cari lagi yang termasuk kedalam komponen ini

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1. Check whether common component is set correctly,

Komponen umum yang di ditentukan oleh suatu tim developer dalam suatu pengembangan software
Contoh Test Case

| CONDITION/PROCEDURE | EXPECTED RESULT | EVIDANCE | TEST | | |
|--------------------------|---|----------|------|----|--------|
| | | | DATE | BY | RESULT |
| a. Screen Title | a. Show the ScreenID and Screen Name on left side: WDL07240 : Trade Partner Master | | | | |
| b. Button Font and Color | b. Refer to document: (R01), <i>{artinya buka dokumen desain yang membahas tentang jenis font didalam button dan warna button}</i> | | | | |
| | | | | | |

Screen Layout Check

Dibawah ini, merupakan contoh komponen yang diterapkan pada perusahaan X. Dimana sebenarnya bisa cari lagi yang termasuk kedalam komponen ini

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1. Check screen layout against DR document. DR document = dokumen desain requirement
Layout screen misalnya, title name, layout, items name, button, attribute, initial value and so on.
Semua komponen layout screen di check.
 - Pada saat load screen, hanya menguji pencarian data jika screen ada kriteria pencarian, atau apa adanya yang Nampak pada saat load screen pertama kali
 - Pada saat setelah dilakukan pencarian, yang diuji adalah data list yang tampil
 - Detail Screen, semua komponen detail screen diujiContoh Test Case

| CONDITION/PROCEDURE | EXPECTED RESULT | EVIDANCE | TEST | | |
|-----------------------|---|----------|------|----|--------|
| | | | DATE | BY | RESULT |
| a. Item | all items are on the screen. | | | | |
| b. Spell | all items are on the screen. | | | | |
| c. Input | Input item should be able to be input. | | | | |
| d. output | Output only item should not be able to be input.(display only) | | | | |
| e. Text box/combo box | Should follow design. e.g. on design = combo box on screen = text box --> NG (Not Good) | | | | |

Screen Layout Check (2)

| CONDITION/PROCEDURE | EXPECTED RESULT | EVIDANCE | TEST | | |
|--|---|----------|------|----|--------|
| | | | DATE | BY | RESULT |
| f. Size of text box/combo box | Should have enough size to display. Should not too big. OK : <input type="text" value="12345"/> NG : <input type="text" value="1234"/> --> size is small. Cannot show last digit. NG : <input type="text" value="12345"/> --> size is too big. | | | | |
| g. Length of text box | Should have correct length. OK : <input type="text" value="12345"/> NG : <input type="text" value="1234"/> --> can input only 4digit. NG : <input type="text" value="123456"/> --> can input more than 5 digit. | | | | |
| h. Alignment | Should follow the design. (Left, Center, Right) | | | | |
| i. Initial/default Value | Check for all. (text box, combo box and label). Fixed value. Variable value(get from table). | | | | |
| j. Initial Radio Button | Should follow the design. Which is on as initial. | | | | |
| k. Format → nah ini tergantung dari format yang sudah disepakati | Should follow the design. Basic format: Date : DD/MM/YYYY Char : X..5..X Number : 9,999 | | | | |

Screen Layout Check (2)

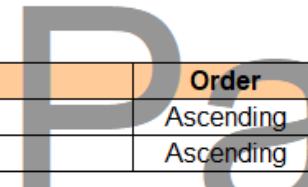
| CONDITION/PROCEDURE | EXPECTED RESULT | EVIDANCE | TEST | | |
|---|--|----------|------|----|--------|
| | | | DATE | BY | RESULT |
| I. Mandatory Field → nah ini tergantung dari design yang sudah disepakati | Should follow the design. Field color should be pink. Field name should be "*" + name. e.g. "*PARTNER CD" | | | | |
| m. Data Grid, Display searching result | Refer to document: (UISS) Refer to document: (R03) → menuju kepada desain dokumen UI | | | | |
| n. Button | Refer to Document (UISS) – General Description | | | | |
| o. Sorting, display order pada data grid | Refer to Document (UISS) – General Description | | | | |
| p. Searching criteria Check whether result is correct with combination mandatory & optional criteria | Partner Type | | | | |
| | Partner Code | | | | |
| q. Tab index | Refer to document: (R03) | | | | |
| r. Searching result | Refer to document: (UISS) - Item Description | | | | |

Refer to Document (UISS) – General Description

A. Sorting, display order pada data grid

b. Display Order:

| Section | No. | Field Name | Order |
|---------|-----|--------------|-----------|
| Header | 1 | Partner Type | Ascending |
| | 2 | Partner Code | Ascending |

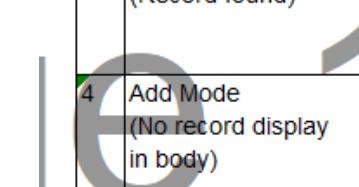


B. Setting Button pada layout screen

4. BUTTON SETTINGS

a. Screen Mode

| No. | Screen Mode | No. | Section | Description |
|-----|--|-----|----------------|---|
| 1 | Initial Mode | a | Header Section | All Input items are enabled. |
| | | b | Body Section | Hidden (not display on screen) |
| 2 | Search Mode (Record not found) | a. | Header Section | Display message on Initial Display |
| | | b. | Body Section | Hidden (not display on screen) |
| 3 | Search Mode (Record found) | a. | Header Section | All Input items are enabled. |
| | | b. | Body Section | Display Record resulted by inputed criterias. |
| 4 | Add Mode (No record display in body) | a. | Header Section | All Input items are disabled. |
| | | b. | Body Section | Display set record to input items |
| 5 | Add Mode (There are record display in body) | a. | Header Section | All Input items are disabled. |
| | | b. | Body Section | Clear fill record to input new items |
| 6 | Edit Mode | a. | Header Section | All Input items are disabled. |
| | | b. | Body Section | Display records resulted by searching & enabled editable items that user selected for editing |



Refer to document: (UISS) - Item Description

| No. | Item Name | Data Source | | | | I/O | Attribute | | Initial Value | Req. (Y/N) | Format | Validation | Description |
|----------------------------|---------------------|--------------------|-----------------|------|-----|-----|-------------|-----------|----------------|------------|---------------|------------|---|
| | | Key-in/Table Name | Field Name | Type | Len | | Control Obj | Justified | | | | | |
| <Header> | | | | | | | | | | | | | |
| 1 | Partner Type | TB_M_TRADE_PARTNER | PARTNER_TYPE | Char | 1 | I | Combobox | Left | <Select> | Y | X : X..20..X | | Display "Partner Flag: Description" |
| | | TB_M_SYSTEM | VALUE | Char | 200 | | | | | | | | See operation desc for detail |
| 2 | Partner Code | TB_M_TRADE_PARTNER | PARTNER_CD | Char | 6 | I | Combobox | Left | <Select> | Y | X..6..X | | Display "Partner Code" |
| <Body - View> | | | | | | | | | | | | | |
| 1 | Partner Code | TB_M_TRADE_PARTNER | PARTNER_CD | Char | 6 | | Textbox | Center | Get From Table | | X..6..X | | |
| 2 | Partner Name | TB_M_TRADE_PARTNER | PARTNER_NAME | Char | 50 | | Textbox | Left | Get From Table | | X..50..X | | |
| 3 | Address 1 | TB_M_TRADE_PARTNER | PARTNER_ADDR | Char | 50 | | Textbox | Left | Get From Table | | X..50..X | | |
| 4 | Address 2 | TB_M_TRADE_PARTNER | PARTNER_ADDR | Char | 50 | | Textbox | Left | Get From Table | | X..50..X | | |
| 5 | Address 3 | TB_M_TRADE_PARTNER | PARTNER_ADDR | Char | 50 | | Textbox | Left | Get From Table | | X..50..X | | |
| 6 | Address 4 | TB_M_TRADE_PARTNER | PARTNER_ADDR | Char | 50 | | Textbox | Left | Get From Table | | X..50..X | | |
| 7 | Address 5 | TB_M_TRADE_PARTNER | PARTNER_ADDR | Char | 50 | | Textbox | Left | Get From Table | | X..50..X | | |
| 8 | Seller PIC Name | TB_M_TRADE_PARTNER | SELLER_PIC_NA | Char | 40 | | Textbox | Left | Get From Table | | X..40..X | | |
| 9 | Seller Division | TB_M_TRADE_PARTNER | SELLER_DIVISION | Char | 40 | | Textbox | Left | Get From Table | | X..40..X | | |
| 10 | Seller Pricing Code | TB_M_TRADE_PARTNER | SELLER_PRICING | Char | 20 | | Textbox | Left | Get From Table | | X..40..X | | |
| 11 | Buyer PIC Name | TB_M_TRADE_PARTNER | BUYER_PIC_NAM | Char | 40 | | Textbox | Left | Get From Table | | X..40..X | | |
| 12 | Buyer Division | TB_M_TRADE_PARTNER | BUYER_DIVISION | Char | 40 | | Textbox | Left | Get From Table | | X..40..X | | |
| 13 | Buyer Pricing Code | TB_M_TRADE_PARTNER | BUYER_PRICING | Char | 20 | | Textbox | Left | Get From Table | | X..20..X | | |
| 14 | Partner Type | TB_M_TRADE_PARTNER | PARTNER_TYPE | Char | 1 | | Combobox | Left | Get From Table | | X : X..20..X | | Display "Partner Type: Description" |
| | | TB_M_SYSTEM | VALUE | Char | 200 | | | | | | | | |
| 15 | Country Code | TB_M_TRADE_PARTNER | COUNTRY_CD | Char | 2 | | Combobox | Center | Get From Table | | XX : X..15..X | | The list of combobox get from Country Port Master |

Note

Ini adalah sample GUI Testing yang dilakukan oleh perusahaan jepang yang berdiri di Indonesia. Perusahaan tersebut membuat standar agar semua kemungkinan di check

Item-item pengujian hanya menyangkut beberapa saja dibandingkan dengan ilmu mengenai GUI Testing. Kenapa hanya sebagian yang diambil ? Karena pengujian yang lengkap itu mahal

Bahkan ada pengembangan software yang tidak melibatkan testing sama sekali

Jika ingin mendalami mengenai GUI Testing, boleh dipelajari lebih dalam mengenai konsep HCI (Human Computer Interaction). Dari sana banyak sekali item-item di dalam HCI yang dapat menjadi item pengujian

Summary Testing Secara Umum

Test Design dan Case Specification

1. Ada case mau menguji apa
2. Sebelum case tsb dijalankan, sertakan prekondisi
3. Sertakan kondisi pengujian, begini, begini, begini
4. Buat Contoh Data Test yang akan digunakan untuk pengujian
5. Terdapat langkah-langkah pengujian
6. Buat Expectation Result, dari case yang diuji

Test Execution

1. Actual Result,
2. Kesimpulan Pengujian (Result Test), sertakan date test dan pic pelaksanaan pengujian
3. Buat Incident Report
4. Laporkan ke dalam defect monitoring

TERIMA KASIH