Validations

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Validations concept is used to check input data entered from UI Screen for Register, Update,Delete etc.. valid or not?

\*)only input data need to be checked using validations concept.

\*)These validations are devided into two types. Those are.

i)Client Side validations

ii)Server Side validations.

\*)If we want to validate input data before making request(or before submit data),then we choose Client Side validation. If we do data check after submitting data that comes under serverside validations.

i)Client Side validations:-

->DataType Check

ex: id [\_\_\_\_\_\_\_\_\_\_] it must be int type

Name [\_\_\_\_\_\_\_\_\_\_] it must be String

->Data limits/range(min-max) check

ex: Name [\_\_\_\_\_\_\_\_] It must allow

min=4 chars and max=15 chars.

Id [\_\_\_\_\_\_\_\_\_] min=1 , max=10000

-> Pattern/Format check

ex: Email [\_\_\_\_\_\_\_\_\_] It must follow

below pattern

\_\_\_\_\_\_\_\_ @ \_\_\_\_ . \_\_\_\_

PanCard [\_\_\_\_\_\_\_\_]

Format : CCCCCNNNNC

C:char in UpperCase

N:Numaric

valid input : MDNFY1886L(ex)

\*\*)Note: To handle format check, we use

Reguler Expression(ex: [A-Z0-9]\* )

-> Required Data Check

Some Fields data is required to do process, ex: incase of login username,password are required. Incase of registration Name,Email, Gender are required. Some fields are optional like mobile number, address,

referal code.etc..

ex:

Id\* [\_\_\_\_\_\_\_\_\_]

Name\* [\_\_\_\_\_\_\_\_\_]

Gender\* ()Male ()Female

Language\* [\_\_\_\_\_\_<>]

Mobile [\_\_\_\_\_\_\_\_]

Address [\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_]

[Submit] [Reset]

-----Note----------------------

Here \* means Fields are required.

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ii)Server Side validations:-

At server side we check given data is valid or not using database or logical checks.

ex:(a)input Name is : SAMPLE If Name [SAMPLE] already exist in DB we have to reject request with Error.

(b)withdraw amount value [500], before this process verfiy with balance

if(bal>=withdrawAmt){

// valid and process..

}else{

//invalid and reject with error msg

}

(c) If Location (HYD) is used in

Vendor (ABC) creation, then before Delete Location(HYD) we check with DB "is that Location connected/used to any Vendor available in DB?" (comes under Logical check)

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\*)Client Side validations are implemented using JavaScript or equal (JQuery, NodeJS ...)

\*)Server side validations are implemented using Java Programming.Here We define Validator classes. ex: LocationValidator,VendorValidator.

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JavaScript validations :-

To validate Input data at client side we choose java script, which is written inside UI File ie inside jsp/html file under <head> tag with <script> tag comes under internal scripting.

\*)If we maintain one superate file \_.js outside of UI file(jsp/html) and linked to UI file using

<script src="\_\_.js"/> comes under external scripting.

->Incase of external scripting, all ".js" files will be placed under one folder ex:Scripts which must be

created under Root(Home) Directory.

ex: Internal Scripting

Location.jsp (UI)

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<html>

<head>

<script>

...//js code..

.....

</script>

</head>

<body>

.....

</body>

</html>

\*)External Scripting

LocationReg.jsp(UI) | Loc.js(Script)

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<html> | ...//js code...

<head> | .......

<script src= |

"..scripts/Loc.js"> |

</script> |

</head> |

<body>..</body> |

</html> |

\*\*)Folder Structure for External Scripts

