OTIF - Specifications

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**Fiche de Suivi du Document**

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Table des matières

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# Global Description

## Context

In logistic orders’ process there are indicators named OTIF, acronym for On-Time and In-Full. Those indicators are used to check if orders received by SGDBF are delivered by suppliers on time and full (with all articles). If suppliers don’t respect those clauses they have to pay fines.

Those indicators are automatically set by logistic system (SIP400 today, SAP tomorrow), but, sometimes, this automation is wrong for technical or functional reason,. For example:

* Supplier try to deliver orders to a warehouse, but this one is closed for some reasons, then supplier can’t deliver his orders on planned date, its on-time indicator will be set to 0 but it’s not his fault;

To avoid charging an undue fine to suppliers, logistic users need to have an application to requalify those wrong indicators from logistic systems.

## Functional Description

In OTIF application user will have two ways to update OTIF indicators:

* A search menu where he will search orders he wants to update and update indicators for those orders;
* A mass import menu where he can import an Excel file with updated indicators.

## Technical Description

OTIF is a php/mysql application.

There are two main tables in db:

* IRIS\_SOL : it contains orders from Point P and DSC warehouses, it’s updated each night by an ODI scenario with fresh logistic data;
* MDF\_SOL : it contains orders requalified by user of OTIF app, its content is pulled from OTIF db to logistic systems each night.

# Technical Description

## List of menus

* Orders;
* **Mass Import (V2);**
* Motif;
* Users.

## App connection

Users connect with Saint Gobain SSO.

Whatever the role is when user tries to connect :

* Check USER table :
  + If user SGID is not in USR\_SGID the user can’t access the app. The app displays a message “You don’t have the rights to access this app”
  + If user SGID is in USR\_SGID
    - If USR\_ACTIVE=1 user can access the app.
    - If USR\_ACTIVE=0 user can’t access the app. The app displays a message: “Your account has been disabled. Please contact app administrator”.

## Roles

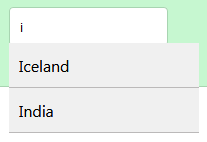
### Role/menu right matrix

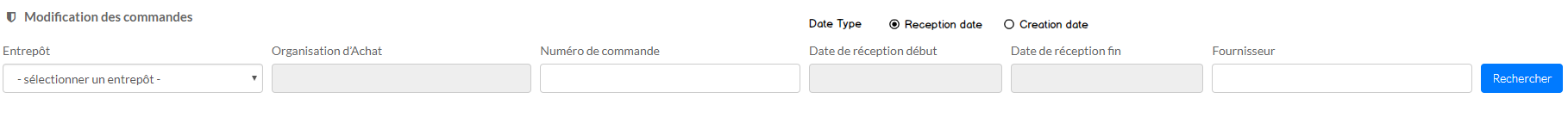
|  |  |  |
| --- | --- | --- |
| **Role**  **Menus** | **User** | **Admin** |
| Order modification | X (only see warehouses he has rights on) | X |
| Motif |  | X |
| User Administration |  | X |

## App disconnection

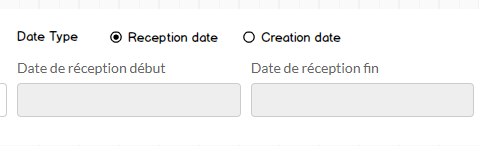
When user clicks on his name a “Disconnect menu appears, when he clicks on it he is disconnected from the app.

## Homepage Display

* Homepage is the order modification menu;
* Title : OTIF
* Horizontal menu on top with :
  + access to the 3 menus :
    - Edit command menu (homepage);
    - Edit motif menu;
    - User administration.
  + User's Lastname and Firstname on the right, onclick Disconnect menu appears.
* On opening edit command menu displays :
  + Warehouse field :
    - Title : "Warehouse";
    - Type : Dropdown;
    - Content :
      * by default it's empty,
      * If user is admin (check USR\_ROL\_ID in USER table) dropdown displays all WAREHOUSE.WHS\_LBL order by WHS\_LBL.
      * If user has user role (check USR\_ROL\_ID in USER table) filter warehouse list on user\_warehouse table to display only warehouse on which this user has rights.
    - Onmouse over on dropdown item : display full length name in tooltip (to manage long names).
    - Onchange : edit Purchase Organization content according to warehouse selection (make the link between WAREHOUSE and PURCHASE\_ORGANIZATION with WAREHOUSE.WHS\_PCO\_ID).
    - Mandatory : yes.
  + Purchase Organisation field :
    - Title : "Purchase Organisation";
    - Type : fixed text;
    - Content : by default it's empty, filled with corresponding PURCHASE\_ORGANIZATION.PCO\_LBL when warehouse is selected.
    - Mandatory : yes.
  + Supplier field :
    - Title : "Supplier";
    - Type : text input;
    - Content :
      * by default it's empty,
      * when user types at least two characters app :
        + makes query in db on SUPPLIER table :SELECT SPL\_ID, SPL\_CD, SPL\_LBL from SUPPLIER;
        + Displays SPL\_CD and SPL\_LBL under the text box (see example below)  
          
      * When user clicks on a result app :
        + Displays selected data in text box : SPL\_CD – SPL\_LBL;
        + Stocks SPL\_ID in hidden field in order to compare it with IRIS\_SOL.ISO\_SPL\_ID on submit.
    - Onmouse over on dropdown item: display full length name in tooltip (to manage long names).
    - Mandatory : If “Order number” is not filled yes.
  + Radio button to select which type of date user wants to use
    - Title : "Type of date";
    - Option 1 : Reception date
    - Option 2 : Creation date
    - On change :
      * If reception date is selected
        + display reception dates fields;
        + hide creation dates fields;
        + reset creation dates fields.
      * if creation date is selected
        + Display creation dates fields;
        + Hide reception dates fields;
        + Reset reception dates fields.
  + Reception start date field
    - Title : "Reception start date";
    - Type : calendar widget (french pattern : week must start on Monday);
    - Action : user must select a date in the calendar;
    - Db field : ISO\_RECEPT\_DT;
    - Control : can’t be future date;
    - Mandatory : If “Order number” is not filled and reception date is selected in “Type of date” radio button : yes..
    - Rule : can’t be future date.
  + Reception end date field
    - Title : "Reception end date";
    - Type : calendar widget (french pattern : week must start on Monday);
    - Action : user must select a date in the calendar.
    - Db field : ISO\_RECEPT\_DT;
    - Mandatory : If “Order number” is not filled and reception date is selected in “Type of date” radio button : yes..
    - Rule : must be greater than reception start date and can’t be future date.
  + Creation start date field
    - Title : "Creation start date";
    - Type : calendar widget (french pattern : week must start on Monday);
    - Action : user must select a date in the calendar;
    - Db field : ISO\_CREAT\_DT;
    - Control : can’t be future date;
    - Mandatory : If “Order number” is not filled and creation date is selected in “Type of date” radio button : yes..
    - Rule : can’t be future date.
  + Reception end date field
    - Title : "Reception end date";
    - Type : calendar widget (french pattern : week must start on Monday);
    - Action : user must select a date in the calendar;
    - Db field : ISO\_RECEPT\_DT;
    - Mandatory : If “Order number” is not filled and creation date is selected in “Type of date” radio button : yes..
    - Rule : must be greater than reception start date and can’t be future date.
  + Order number field :
    - Title : "Order number";
    - Type : text input;
    - Content : by default it's empty, user can indicate part of order number.
  + Mandatory : if « Supplier field », « Reception Start Date field » and « Reception end date field » are not filled yes.Search button
    - Title : "Search";
    - Type : "Button";
    - Action : on click display results in a table (see "Display Order Results" ticket).
* Validation controls after click on search button :
  + If warehouse is not filled display message : “Please select Warehouse” (in French “Veuillez sélectionner un entrepôt”)
  + If order number, dates and supplier fields are empty OR if order number field is empty and one of dates/supplier fields is empty display message : “Please enter order number or, at least, dates and supplier” (in French “Veuillez indiquer le numéro de commande ou, au moins, les dates de réception et le fournisseur” )



*Search fields Screenshot*

**

*Zoom on Date type selection*

## Display order results

Whatever the user role is the display of the page below search criteria remain the same.

When user has filled search criteria and click on the button “Search”

### Data rules

* App checks rules for each fields
  + Reception end date field must be greater than reception start date field, if not display a message box : “Reception end date field is greater than reception start date field. Please correct”.
* app makes request in db to get data :
  + select fields below from ISO\_SOL and MOTIF;
  + WHERE :
    - Selected warehouse id = IRIS\_SOL.ISO\_WHS\_ID;
    - Selected supplier id = IRIS\_SOL.ISO\_SPL\_ID;
    - IRIS\_SOL.RECEPT\_DT BETWEEN Reception Start Date field and Reception End Date field;
    - Order number field content LIKE ‘%IRIS\_SOL.ISO\_NUM%’;
* Fetch all data including deleted rows but only display non deleted rows. User can display deleted rows by clicking on toggle button (see modify order results ticket)If query does not return data app displays empty grid plus message : “No data”;
* If query returns data app display results in the grid (see table format in screenshot attachment) with following columns order by IRIS\_SOL.ISO\_LINE\_NUM (as it is a varchar column use “order by cast(ISO\_LINE\_NUM as unsigned)”) :
* Order number
  + Field in db : IRIS\_SOL.ISO\_NUM;
  + Not editable;
  + One order number displayed by page
* Delete
  + Field in db : IRIS\_SOL.ISO\_DEL\_FLAG;
  + Editable;
  + See “Order results data manipulation” tickets for action to perform.
* Order line number
  + Field in db : IRIS\_SOL.ISO\_LINE\_NUM;
  + Not editable;
  + Order by this column.
* Reception date :
  + Field in db : IRIS\_SOL.ISO\_RECEPT\_DATE;
  + Not editable;
  + If null then display “-“.
* ON-TIME/DEMANDED/IRIS :
  + Field in db : IRIS\_SOL.ISO\_DEMD\_OT\_IND;
  + Not editable.
  + If null then blank.
* ON-TIME/DEMANDED/Requalified :
  + Field in db : MDF\_SOL.MSO\_MDF\_DEMD\_OT\_IND;
  + If IRIS\_SOL.ISO\_DEMD\_OT\_IND is not null then Editable, if null then not editable.
  + Hardcoded dropdown with values 0 and 1
  + If null then blank.
* ON-TIME/CONTRACT/IRIS :
  + Field in db : IRIS\_SOL.ISO\_CONT\_OT\_IND;
  + Not editable.
  + If null then blank.
* ON-TIME/CONTRACT/Requalified :
  + Field in db : MDF\_SOL.MSO\_MDF\_CONT\_OT\_IND;
  + If IRIS\_SOL.ISO\_CONT\_OT\_IND is not null then Editable, if null then not editable.Hardcoded dropdown with values 0 and 1
  + If null then blank.
* ON-TIME/CONFIRMED/IRIS :
  + Field in db : IRIS\_SOL.ISO\_CONF\_OT\_IND;
  + Not editable.
  + If null then blank.
* ON-TIME/CONFIRMED/Requalified :
  + Field in db : MDF\_SOL.MSO\_MDF\_CONF\_OT\_IND;
  + If IRIS\_SOL.ISO\_CONF\_OT\_IND is not null then Editable, if null then not editable.Hardcoded dropdown with values 0 and 1
  + If null then blank.
* ON-TIME/Motif Requalified
  + Field in db : MOT\_CD where MDF\_SOL.MSO\_OT\_MOT\_ID =MOTIF.MOT\_ID and MOTIF.MOT\_DEL\_FLAG=0;
  + If IRIS\_SOL.ISO\_DEMD\_OT\_IND or IRIS\_SOL.ISO\_CONT\_OT\_IND or IRIS\_SOL.ISO\_CONF\_OT\_IND is not null then Editable, if null then not editable.Dropdown with MOTIF\_MOT\_CD content;
  + On mouseover display MOTIF.MOT\_LBL for selected motif.
  + If null then blank.
* IN-FULL/IRIS :
  + Field in db : IRIS\_SOL.ISO\_IF\_IND;
  + Not editable.
  + If null then blank.
* IN-FULL/Requalified :
  + Field in db : MDF\_SOL.MSO\_MDF\_IF\_IND;
  + If IRIS\_SOL.ISO\_IF\_IND is not null then Editable, if null then not editable.Hardcoded dropdown with values 0 and 1
  + If null then blank.
* IN-FULL/Motif Requalified
  + Field in db : MOT\_CD where MDF\_SOL.MSO\_IF\_MOT\_ID =MOTIF.MOT\_ID and MOTIF.MOT\_DEL\_FLAG=0;
  + If IRIS\_SOL.ISO\_IF\_IND is not null then Editable, if null then not editable.Dropdown with MOTIF\_MOT\_CD content;
  + On mouseover display MOTIF.MOT\_LBL for selected motif.
  + If null then blank.
* Comments
  + Field in db : MDF\_SOL.MSO\_CMT;
  + Editable;
  + Limit to 100 characters.

To retrieve data from MDF\_SOL make left join on IRIS\_SOL.ISO\_NUM=MDF\_SOL.MSO\_NUM and IRIS\_SOL.ISO\_LINE\_NUM=MDF\_SOL.MSO\_LINE\_NUM.

Regarding indicators 1 means yes, 0 means no.

Page contains toggle button above the grid, it has two positions :

* First and default one : don’t display deleted rows (no position);
* Second : display all the rows (even deleted ones).

Page contains trash button above the grid : See “Order results data manipulation” tickets for action to perform.

### Page Rules

Results are sorted by order number then by order line number.

**No limit of rows**: the page will display all the lines of selected orders on a single page.

**Page navigation:** by default app display first order. If user wants to display more orders he selects order number in the list of orders dropdown.

* List of orders numbers
  + Dropdown with checkboxes containing all the orders numbers (ISO\_NUM) corresponding to the search criteria (including dates).
    - See this example : <https://phppot.com/demo/jquery-custom-dropdown-with-checkbox/>
    - According to dropdown selection display selected orders rows in the grid (it must fit search criteria).
    - Add an option to select all dropdown values: “Select all”, onclick all dropdown values are checked and all order rows are displayed on the page.
  + Dropdown is above the grid.

**One page, one save:** If user has made modifications and leave the page or navigate to another order number, display a message box: “Are you sure to leave the page without saving your modifications”?

When user clicks on “Reset” :

* Message box is displayed : “Are you sure to reset your modification?” with two options : “Yes” or “No”.
* If he clicks “No” message box is closed and apps do nothing.
* If he clicks “Yes” page is refreshed with current order number.

### Submit

When user clicks on “Submit” button :

* App checks comment field limit (see above ),
* If comment field does not respect rules :
  + Display cell text color in red;
  + Display a message box: “Invalid data, please correct”.
* If all fields are ok :
  + For each non deleted and modified rows check if the couple MSO\_NUM and MSO\_LINE\_NUM already exists in MDF\_SOL table;  
    A modified row is a row with at least one modification in the 7 editable columns;  
    Whether checkbox is checked or unchecked data is saved;
    - If it exists :
      * Update the line with submitted data;
    - It it does not exist :
      * Insert data in MDF\_SOL.
    - Update IRIS\_SOL.ISO\_DEL\_FLAG.

### Mass import menu

#### Display

* Text input
  + Content :
    - by default “Select a file”;
    - If a file is selected display file name.
* Browse button
  + Onclick user can select a file.
  + Controls : must be xlsx file.
* Text under those two field : “Please select xlsx file to import requalified OTIF data”
* Two buttons :
  + Submit
    - Onclick see “Submit” section below.
  + Cancel
    - Onclick refresh the page.

#### Submit

On submit app controls:

* If file is a valid xlsx file,
  + If not display a message “This file is not a valid xlsx file. Please correct”;
* If file format is corresponding to following template
  + - NUM;
    - LINE\_NUM;
    - CONT\_OT\_IND;
    - CONF\_OT\_IND;
    - DEMD\_OT\_IND;
    - IF\_IND;
    - OT\_MOT\_CD;
    - IF\_MOT\_CD;
    - CMT;
  + If file template is not corresponding reject the file and display a message : “File template is not valid. Please correct”.
* If there is duplicates in the file
  + Key is composed of NUM and LINE\_NUM columns;
  + If there is duplicates generate an error file with one error column and add “Duplicate entry” in red in error column for each duplicate entry.
* If file values is corresponding to following rules
  + - The key NUM/LINE\_NUM must exists in IRIS\_SOL, it’s corresponding to ISO\_NUM and ISO\_LINE\_NUM field. If it does exists add this text to error column in error file : “This row does not exists in db. Please correct”.
    - CONT\_OT\_IND;
      * Must be 1 or 0;
      * If not add this text to error column in error file : “CONT\_OT\_ID must be 1 or 0”
    - CONF\_OT\_IND;
      * Must be 1 or 0;
      * If not add this text to error column in error file : “CONF\_OT\_ID must be 1 or 0”
    - DEMD\_OT\_IND;
      * Must be 1 or 0;
      * If not add this text to error column in error file : “DEMD\_OT\_ID must be 1 or 0”
    - IF\_IND;
      * Must be 1 or 0;
      * If not add this text to error column in error file : “IF\_ID must be 1 or 0”
    - OT\_MOT\_CD;
      * Optional;
      * Must exists in MOTIF table (if valued);
      * If it does not exists add this text to error column in error file : “This motif does not exist. Please correct.
    - IF\_MOT\_CD;
      * Optional;
      * Must exists in MOTIF table (if valued);
      * If it does not exists add this text to error column in error file : “This motif does not exist. Please correct.
    - CMT;
      * Optional;
      * Maxsize : 95 characters;
      * If comment is longer than 100 characters add this text to error column in error file: “Comment must be less than 95 characters”.
  + If there is any error don’t update or insert anything, generate the error file and display a message “File contains errors. Please find details in error file”.
* If no error
  + If the key NUM/LINE\_NUM exists in MDF\_SOL (MSO\_NUM and MSO\_LINE\_NUM)
    - Update the corresponding row with below correspondence.
    - Suffix each CMT with “Excel”, it will be used to check which row has been
  + If the key NUM/LINE\_NUM does not exist in MDF\_SOL (MSO\_NUM and MSO\_LINE\_NUM)
    - Insert the row in MDF\_SOL table with below correspondence.
* If all good display a message “File successfully imported”.

### Correspondance for MDF\_SOL update.

|  |  |
| --- | --- |
| IRIS\_SOL | MDF\_SOL |
| IRIS\_SOL.ISO\_NUM | MSO\_NUM |
| IRIS\_SOL.ISO\_LINE\_NUM | MSO\_LINE\_NUM |
| IRIS\_SOL.ISO\_SPL\_ID | MSO\_SPL\_ID |
| IRIS\_SOL.ISO\_IF\_MOT\_ID | MSO\_IF\_MOT\_ID |
| IRIS\_SOL.ISO\_WHS\_ID | MSO\_WHS\_ID |
| IRIS\_SOL.ISO\_OT\_MOT\_ID | MSO\_OT\_MOT\_ID |
| IRIS\_SOL.ISO\_MDF\_CONT\_OT\_IND | MSO\_MDF\_CONT\_OT\_IND |
| IRIS\_SOL.ISO\_MDF\_CONF\_OT\_IND | MSO\_MDF\_CONF\_OT\_IND |
| IRIS\_SOL.ISO\_MDF\_DEMD\_OT\_IND | MSO\_MDF\_DEMD\_OT\_IND |
| IRIS\_SOL.ISO\_MDF\_IF\_IND | MSO\_MDF\_IF\_IND |
| IRIS\_SOL.ISO\_CMT | MSO\_CMT |
| Current date | MSO\_MDF\_DT |
| Current user SGID | MSO\_MDF\_SGID |

In case of update the keys are order number and order line number.

### Motif menu

#### Display by default

See page format on screenshot attached.

Access restriction : only administrator can access this menu.

Two columns :

* In the first one display list of undeleted motif from motif table : fields to display (MOT\_CD, MOT\_LBL) where MOT\_DEL\_FLAG=0
* The second one is empty by default.

One button :

* “Add +” see “Create Motif Ticket” for actions to perform

#### Edit

See page format on screeshot attached.

* When user select a motif in the list :
  + Change background colour for the selected motif;
  + Display following fields (corresponding to the selected motif) and buttons in right column :
    - ID
      * Db field : MOTIF.MOT\_ID
      * Read only.
    - Code
      * Db field (MOTIF.MOT\_CD);
      * Editable;
      * Limit : 3 characters;
      * Only alphanumeric (a-z,1-9)
      * Mandatory.
    - Label
      * Db field (MOTIF.MOT\_LBL);
      * Editable;
      * Limit : 100 characters;
      * Special characters authorized;
      * Mandatory.
    - Last modification SGID
      * Read only
      * Db field (MOTIF.MOT\_MDF\_SGID).
    - Last modification date
      * Read only
      * Db field (MOTIF.MOT\_MDF\_DT).
    - Button “Save”
      * On click app checks :
        + If code and label respects characters limit;

If not display message box : “Invalid data. Please correct.”

If characters limit is respected pass to next step;

* + - * + If code already exists in db

If code already exists display message box : “This code already exists, please choose another one”.

If code does not exist update row in db.

* + - * + If edit successful display message: “Data updated successfully”.
    - Button “Reset”
      * On click display a message box : “Are you sure to reset modifications?” with two options “Yes” and “No”;
        + If user clicks “No” message box is closed and app do nothing;
        + If user clicks “Yes” modifications are reset.

#### Create

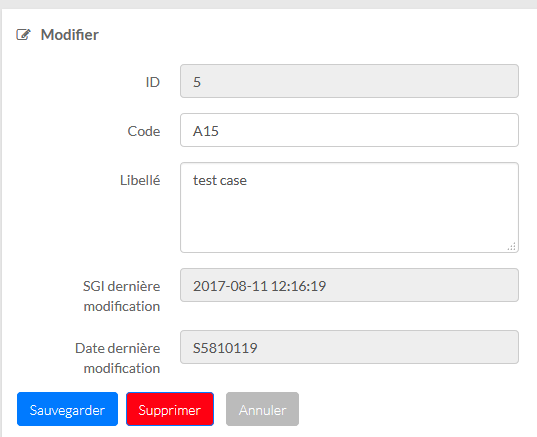
See page format on screenshot attached.

When user clicks on “Add+” button app displays following fields (empty) and buttons :

* Code
  + Db field (MOTIF.MOT\_CD);
  + Editable;
  + Limit : 3 characters;
  + Mandatory.
* Label
  + Db field (MOTIF.MOT\_LBL);
  + Editable;
  + Limit : 100 characters;
  + Mandatory.
* Button “Create”
  + On click app checks :
    - If code and label respects characters limit;
      * If not display message box : “Invalid data. Please correct.”
      * If characters limit is respected pass to next step;
    - If code already exists in db
      * If code already exists display message box : “This code already exists, please choose another one”.
      * If code does not exist insert row in db :
        + Code in MOT\_CD;
        + Label in MOT\_LBL;
        + Current date in MOT\_MDF\_DT;
        + Current user in MOT\_MDF\_SGID.
    - If insertion is successful display message : “Data creation successful”
* Button “Reset”
  + On click display a message box : “Are you sure to reset modifications?” with two options “Yes” and “No”;
    - If user clicks “No” message box is closed and app do nothing;
    - If user clicks “Yes” modifications are reset.

#### Delete

When a motif is selected, a third action is possible “Delete” (“Supprimer” in French):



When user clicks on “Delete” :

* App displays a warning message : “Are you sure to delete this motif?” (Etes-vous sûrs de vouloir supprimer ce motif? » with option “Yes”/”No” (Oui/Non).
* If user clicks on « No », warning message is closed and nothing happens.
* If user clicks on “Yes”, app update selected motif in db : “UPDATE MOTIF SET MOT\_DEL\_FLAG=1” foo selected motif. App refresh motif list.

### User menu

#### Display by default

See page format on screeshot attached.

Access restriction : only administrator can access this menu.

Table :

* 5 columns :
  + User Name :
    - Concatenate USER.USR\_FIRSTNAME and USER.USR\_LASTNAME.
  + User SGID
    - USER.USR\_SGID.
  + User Role
    - ROLE.ROLE\_LB, link ROLE table and USER table with USER.USR\_ROLE\_ID = ROLE.ROL\_ID.
  + User status
    - CASE WHEN USER.USR\_ACTIVE=1 THEN ‘Active’ ELSE ‘Inactive’.
  + Warehouses
    - CASE WHEN USR\_ROLE =’Admin’ THEN ‘All’ ELSE display WAREHOUSE.WHS\_LBL for warehouses on which user has rights on ,separed by coma. Use USER\_WAREHOUSE table to make the link between Warehouse and User table.
  + Actions
    - Button with link on user modification menu, see “Edit User” Ticket for actions to perform.

One button :

* “Add user +” see “Create User” Ticket for actions to perform.

#### Edit

See page format on screenshot attached.

* When user clicks on edit button edit user menu is displayed with following fields:
  + SGID :
    - Db field : USER.USR\_SGID;
    - Editable and mandatory.
  + LastName :
    - Db field : USER.USR\_LASTNAME;
    - Editable and mandatory.
  + FirstName :
    - Db field : USER.USR\_FIRSTNAME;
    - Editable and mandatory.
  + Active :
    - Db field : USER.USR\_ACTIVE;
    - Editable and mandatory;
    - If USR\_ACTIVE = 1 checkbox is checked, is USR\_ACTIVE=0 checkbox is unchecked.
  + Role
    - Db field : ROLE.ROL\_LB, make the link with USER.USR\_ROL\_ID;
    - Editable and mandatory;
    - Dropdown with the content of ROLE table;
    - Selected value is the role of selected user.
  + Warehouse choice :
    - Two tables separated by two arrows :
      * In the first one display all warehouses :
        + Db field: WAREHOUSE.WHS\_LBL.
      * In the second one display all warehouses on which selected user has rights (use USER\_WAREHOUSE table to retrieve those warehouses) :
        + Db field: WAREHOUSE\_WHS\_LBL.;
        + If selected role is “Utilisateur” at least one warehouse must be selected;
        + If selected role is “Administrator” this menu must be hidden
      * Functionality :
        + User selects one or more warehouses in the left table and clicks on the arrow pointing to the right, selected warehouses are added to the right table and deleted from the left table.
        + User selects one or more warehouses in the right table and clicks on the arrow pointing to the left, selected warehouses are added to the left table and deleted from the right table.
* Two buttons :
  + Button “Save”
    - * On click app checks :
        + If SGID, firstname and lastname respects characters limit;

If not display message box : “Invalid data. Please correct.”

If characters limit is respected pass to next step;

* + - * + If a role has been selected :

If not display a message box “You must select a role.”

If a role is selected pass to next step.

* + - * + If selected role is “Utilisateur” at least one warehouse must be selected :

If not display a message box : “At least one warehouse must be selected, please correct.”

If at least one warehouse is selected pass to next step.

* + - * + If SGID already exists in db

If SGID already exists display message box : “This user already exists, please enter another SGID”.

If SGID does not exist update rows in db :

USR\_ROL\_ID = selected ROLE.ROL\_ID;

USR\_FIRSTNAME : content of firstname field;

USR\_LASTNAME : content of lastname field;

USR\_SGID : content of SGID field;

USR\_ACTIVE : ‘Y’ if checked, ‘N’ if not checked.

* + - Button “Reset”
      * On click display a message box : “Are you sure to reset modifications?” with two options “Yes” and “No”;
        + If user clicks “No” message box is closed and app do nothing;
        + If user clicks “Yes” modifications are reset.

#### Create

See page format on screenshot attached.

* When user clicks on “Add+” button create user menu is displayed with following fields:
  + SGID :
    - Db field : USER.USR\_SGID;
    - Editable and mandatory;
    - By default empty.
  + LastName :
    - Db field : USER.USR\_LASTNAME;
    - Editable and mandatory;
    - By default empty.
  + FirstName :
    - Db field : USER.USR\_FIRSTNAME;
    - Editable and mandatory;
    - By default empty.
  + Active :
    - Db field : USER.USR\_ACTIVE;
    - Not displayed;
    - By default checked.
  + Role
    - Db field : ROLE.ROL\_LB, make the link with USER.USR\_ROL\_ID;
    - Editable and mandatory;
    - Dropdown with the content of ROLE table;
    - Selected value is the role of selected user;
    - By default empty.
  + Warehouse choice :
    - Two tables separated by two arrows :
      * In the first one display all warehouses :
        + Db field: WAREHOUSE.WHS\_LBL.
      * In the second one display all warehouses on which selected user has rights (use USER\_WAREHOUSE table to retrieve those warehouses) :
        + By default empty.
      * Functionality :
        + User selects one or more warehouses in the left table and clicks on the arrow pointing to the right, selected warehouses are added to the right table and deleted from the left table.
        + User selects one or more warehouses in the right table and clicks on the arrow pointing to the left, selected warehouses are added to the left table and deleted from the right table.
* Two buttons :
  + Button “Create”
    - * On click app checks :
        + If SGID, firstname and lastname respects characters limit;

If not display message box : “Invalid data. Please correct.”

If characters limit is respected pass to next step;

* + - * + If a role has been selected :

If not display a message box “You must select a role.”

If a role is selected pass to next step.

* + - * + If selected role is “Utilisateur” at least one warehouse must be selected :

If not display a message box : “At least one warehouse must be selected, please correct.”

If at least one warehouse is selected pass to next step.

* + - * + If SGID already exists in db

If SGID already exists display message box : “This user already exists, please enter another SGID”.

If SGID does not exist insert rows in db :

USR\_ROL\_ID = selected ROLE.ROL\_ID;

USR\_FIRSTNAME : content of firstname field;

USR\_LASTNAME : content of lastname field;

USR\_SGID : content of SGID field;

USR\_ACTIVE : ‘Y’ if checked, ‘N’ if not checked.

* Button “Reset”
  + On click display a message box : “Are you sure to reset modifications?” with two options “Yes” and “No”;
    - If user clicks “No” message box is closed and app do nothing;

If user clicks “Yes” modifications are reset.