



BUSINESS LOGIC GATE



Digital Business Module





Business Module

Business Logic Gate

1. Introduction :

- The business module provide a solution to digitize the different activities and processes or tasks done within the company.
- The business module provide a technique to computerize or digitize the company business work-flow, document management, inventory control, accounting and reporting.
- The business module is aimed to provide a single window interface for all kind of business activities to build, manage and run their tasks, actions or processes done within the company.
- The company or the business unit can configure and build their modules using the business module in an easy and user friendly manner in a few steps and create groups and users which will run and manage the different tasks and processes created in the module.

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1. Introduction :

- The business module creates an e-document which contains the data for the business that need to be processed. The tasks moves the e-document from status to another status based on the actions and processes configured in the system.
- Groups are configured to distribute the accesses on the users, by which each user and perform certain tasks on the e-document in certain stages of the process cycle. The users can have accesses on certain parts of the e-document.
- The business module can cover different kind of customers services such as courier services, cargo and broker services, warehousing services, customs services, manufacturing services , stock and inventory services, teaching servicesand many other services.
- The client or customer just need to register and create an account or profile for his business. And get a root or admin user to start creating and managing the different modules.

Business Module

Business Logic Gate

1. Introduction :

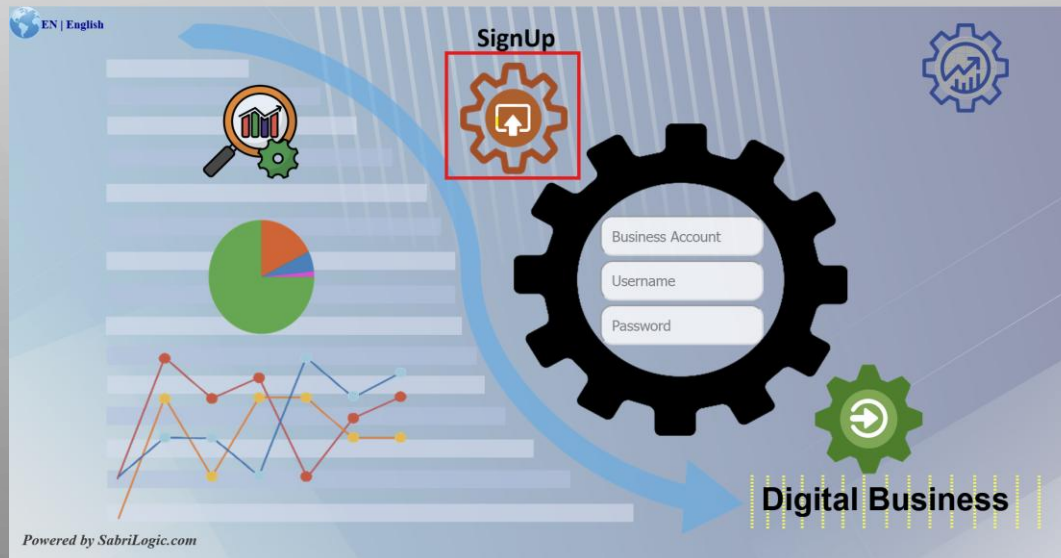
- The business module is self driven which will help and guide the customer to create modules, actions, forms, groups and users that will be working on these activities.
- The business module will lead the admin client (root) in the way to start creating new module from ALLin1 option which is a single window to build complete module with actions, forms, groups and users.
- The module does not need implementation or installation. Whenever the admin user finish from building the module, it will be ready directly for running by any of the configured users.
- In this document we will describe the way to subscribe or register in the application and create business account, how to configure the allin1 module and how to run it directly from same interface.

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1. Sign up and register Business :

- The first step will be to create an account or profile for the business by choosing the option Register in the login page. A page will open to fill the general information about the business account, owner, full name , and name of the admin or root user and password. And other information related to address, phone, fax...and others.



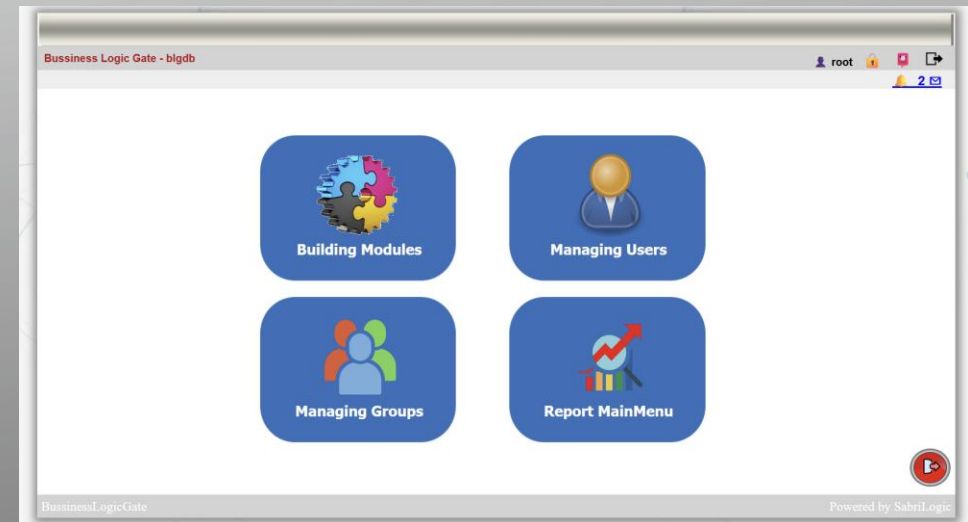
The screenshot shows the 'Business Account Profile' registration form. The form is titled 'Business Account Profile' in red text. It contains several sections: 'Business Identification' with fields for 'Business Account', 'Business Name', and 'Business Desc'; 'ACCOUNT IDENTIFICATION' with fields for 'Owner user', 'Password', 'Confirm Password', and 'Full Name'; 'Photo' with a profile picture icon; 'PERSONAL INFORMATION' with fields for 'Address', 'Phone', 'Fax', and 'Email'; and 'Login Page' with radio buttons for 'Use Default Login Page' (selected), 'Use Login Page From Template', and 'I Would Like To Use My Own Login Page'. There is also a 'Usage Plan' section with radio buttons for 'Trial for a month' and 'Permanent'. At the bottom right, there are 'Create' and 'Close' buttons.

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2. Sign into Business Account

- After creating the business account. The customer can login into the system using the business account, root user and password.
- The user will login into the main menu page. As show in the figure, the main menu shows options for building modules, configuring users and groups and managing reports.



3. Building Module

- The list option shows list of modules have been created if exits.
- Beside each module options to view, update, delete and unlock the module.
- An option to create new module displayed at the upper left side of the page.

The screenshot displays the 'Business Logic Gate' application interface. At the top, there's a header with the title 'Business Logic Gate' and user information 'root'. Below the header, there are two main buttons: 'New Module' (with a gear icon) and 'Translate Labels' (with a star and arrow icon). The central part of the interface is titled 'Modules List'. Below this title, there are search and sorting controls. The search section includes 'Search Field:' with two dropdown menus, 'Search Text:' with a text input field, and a '+' button. The sorting section includes 'Sort By:' with a dropdown menu and two sort order icons (ascending and descending). Below these controls is a table with the following data:

Seq	Module Name	Module Desc	Module Seq	Actions Built	Master Table	Operation
1	module_10	module_10_desc	60	yes	module_10_aaa	   
2	module_11	module_11_desc	61	yes	module_11_aaa	   
3	module_12	module_12_desc	62	yes	module_12_aaa	   
4	module_13	module_13_desc	63	yes	module_13_aaa	   
5	module_14	module_14_desc	64	yes	module_14_aaa	   
6	module_15	module_15_desc	65	yes	module_15_aaa	   
7	module_16	module_16_desc	66	yes	module_16_aaa	   

Transit Tracking

Trade Logic Gate

3.1 Create new Module

- The create new module option is a wizard which will guide the admin user to create a module. The first tab shows the main page to enter module name, description, label and the master table.

The screenshot displays the 'Bussiness Logic Gate' application interface. At the top, there is a breadcrumb navigation path: **Module** ⇒ **Actions** ⇒ **Forms** ⇒ **Groups** ⇒ **Users**. Below this, a set of tabs allows switching between **Module**, **Actions**, **Forms**, **Groups**, and **Users**, with **Module** currently selected. The main content area is titled **Main Module Form**. It contains a form with the following fields:

Module Name	
Module Name	module_2
Module Desc	module_2_desc
Module Label	Module_2_Label
Master Table	maste_table

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3.2. Actions/Tasks Page

The next tab or page is used to create actions and tasks that will be linked with this module. After creating the actions, the user press on the button “Actions” on the status bar found at the top.

Business Logic Gate

Module ⇒ Actions ⇒ Forms ⇒ Groups ⇒ Users

The module have been created successfully

Module Actions Forms Groups Users

Module Data Form

Actions List

+	Name	Desc.	Level	status	Priority	Depend	Header	SubHeader	Open Form	Symbol	Color	BgColor
-	actionA	actionA_desc	☒ Main ☒ Local ☒ List	tionedA	16	store			direct			
-	actionB	actionB_desc	☒ Main ☐ Local ☐ List	tionedB	17	actionA			direct			

Business Module

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3.3 Forms

After the creating the actions directly a new tab or page is opened to configure and load the forms used by the module. In this option were fields used for the e-document are defined. Different type of forms can be created (main, item or sub item levels).

Each form will also define linked actions that will be performed in that form, and even each filed in the form can be linked with certain actions to be performed in that filed.

Business Logic Gate

Module → Actions → Forms → Groups → Users

The actions have been created successfully

Module Action Forms Groups Users

Generate Forms for Module

1 Create Table name

Table Name
(without spaces or special characters)

Table Desc:

Table tab label:

Table level: ☒ Master ☐ Form

Table html:

Action:

Configure Form

☐ Load Html Form No file selected.

☒ Create Fields

	Name	Label	Title	type	size	Length	Option	Pattern	Accuracy	Tab Index	Ref. Link	Onclick	Onblur	Action
1	instance_id	Master Key	Master Key	integer	10	50	readonly	.*		1		/	/	
2	status	Status	Status	text	20	50	readonly	.*		2		/	/	
3	action_reason	Action Reason	Action Reason	areatext	5	50	readonly	.*		3		/	/	

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3.4. Groups

After finishing from configuring the forms, next step will be directly to define the groups and users that will be working on the different actions and tasks and creating the e-documents.

Each group will define a set of accesses (actions or tasks) given for that group.

Each group can modified later from the groups option found in the main menu. And more information about each group can be added.

The screenshot shows the 'Business Logic Gate' application interface. At the top, there's a breadcrumb navigation: 'Module ⇒ Actions ⇒ Forms ⇒ Groups ⇒ Users'. Below this, a green message states 'The forms have been created successfully'. A tabbed interface shows 'Module', 'Actions', 'Forms', 'Groups' (selected), and 'Users'. The 'Groups List' section contains a table with columns: '+', 'Name', 'Desc', and 'Accesses'. The first row shows 'group1' with a description 'desc1'. The 'Accesses' column is expanded, showing a detailed table of permissions for 'module_2'.

Document	Functions/Actions in Main Menu	Actions in local Menu	Actions in List Page
module_2	☐ list		
	☐ unlock		
	☐ view		
	☐ delete		
	☐ update		
	☐ undelete		
	☐ undo		
	☐ task_direct	☐ task_direct	
	☐ task_confirm	☐ task_confirm	
	☐ task_fields	☐ task_fields	
	☐ task_tab	☐ task_tab	
	☐ task_document	☐ View task_tab	
	☐ view_history	☐ task_document	
	☐ store	☐ view_history	
	☐ actionA	☐ store	
	☐ actionA	☐ view	
		☐ delete	
		☐ update	
		☐ undelete	
		☐ undo	
		☐ actionA	

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3.5. Users

The final step will be to create the uses that will be working on the module. Each user will be linked with a certain group. And therefore the user will have accesses on the set of actions that were defined in the group.

More general information about the user can be added later from the option account in the main menu.

The screenshot displays the 'Business Logic Gate' application interface. At the top, there's a navigation bar with the title 'Business Logic Gate' and a user profile 'root'. Below the navigation bar, a breadcrumb trail shows the path: 'Module' ⇒ 'Actions' ⇒ 'Forms' ⇒ 'Groups' ⇒ 'Users'. A green message states 'The groups have been created successfully'. Below this, there's a tabbed interface with 'Module', 'Actions', 'Forms', 'Groups', and 'Users' tabs. The 'Users' tab is active, showing a table titled 'Accounts List'. The table has columns for '+', 'Account', 'Full Name', 'password', 'Group Name', and 'Status'. Two users are listed: 'user1' and 'user2', both associated with 'group1' and having 'Enable' status.

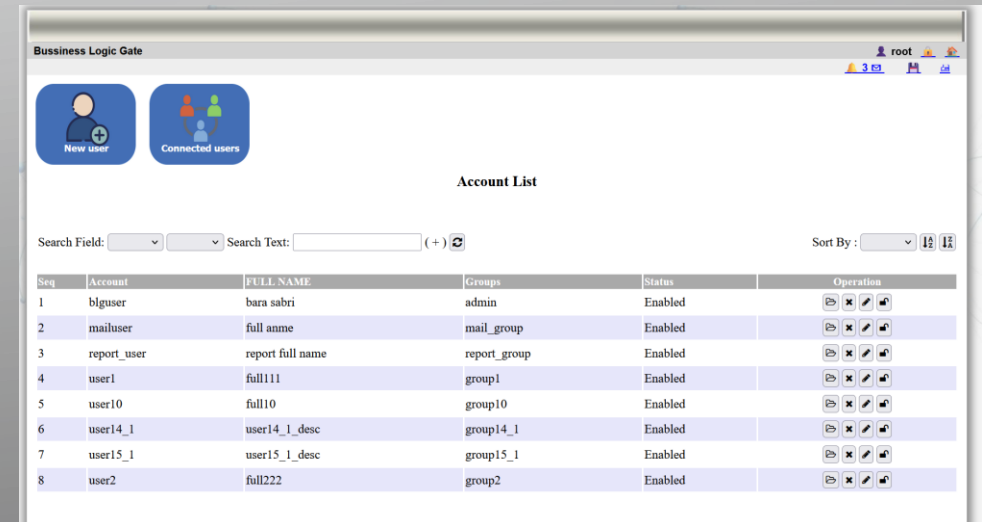
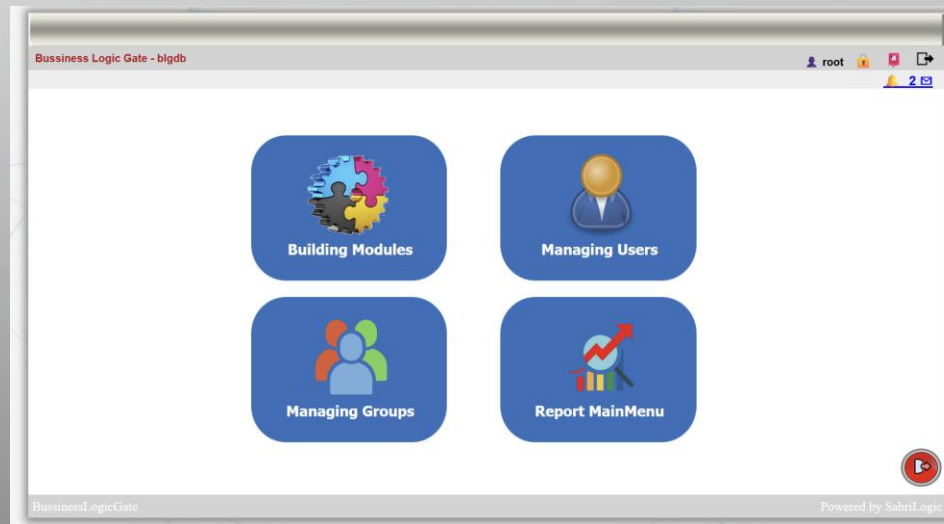
+	Account	Full Name	password	Group Name	Status
-	user1	Ful name	...	group1	☒ Enable ☐ Disable
-	user2	Full anme	...	group1	☒ Enable ☐ Disable

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4. Managing Users

Managing the users can be further configured from the main menu option. By choosing users button, a list of all users is displayed. Each users have options to view, update and delete at the end of each row. New uses can be created by triggering the button in the upper left side.

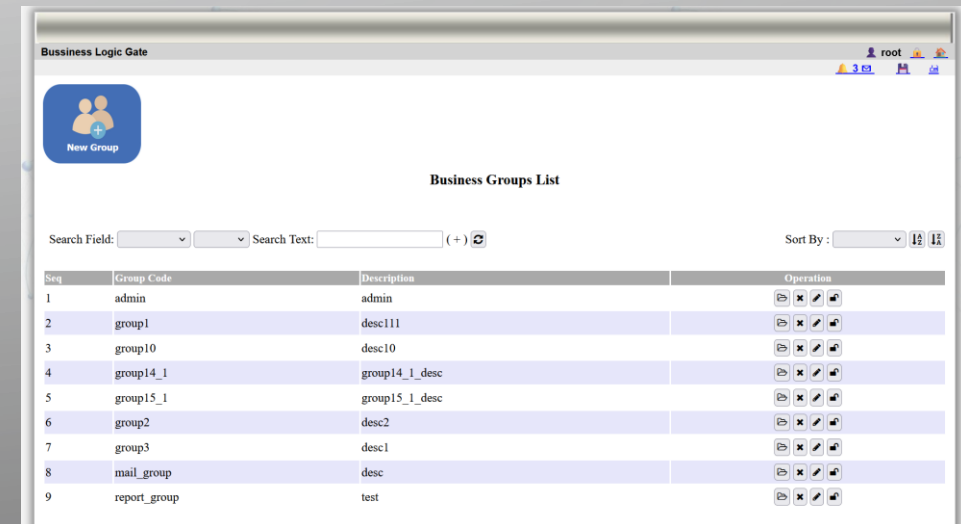
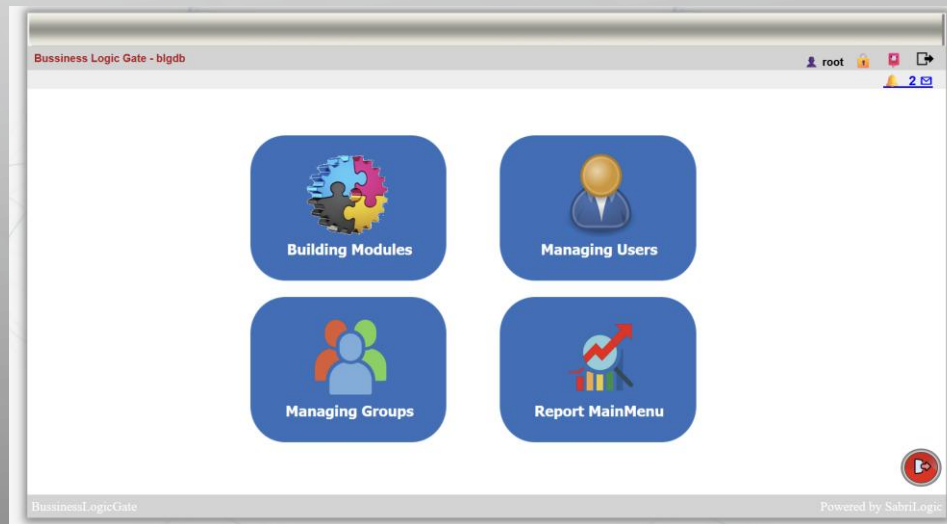


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5. Adding Groups

Managing groups can be configured from the main menu option. By choosing groups button, a list of all groups is displayed. Each group have options to view, update and delete at the end of each row. New group can be created by triggering the button in the upper left side.



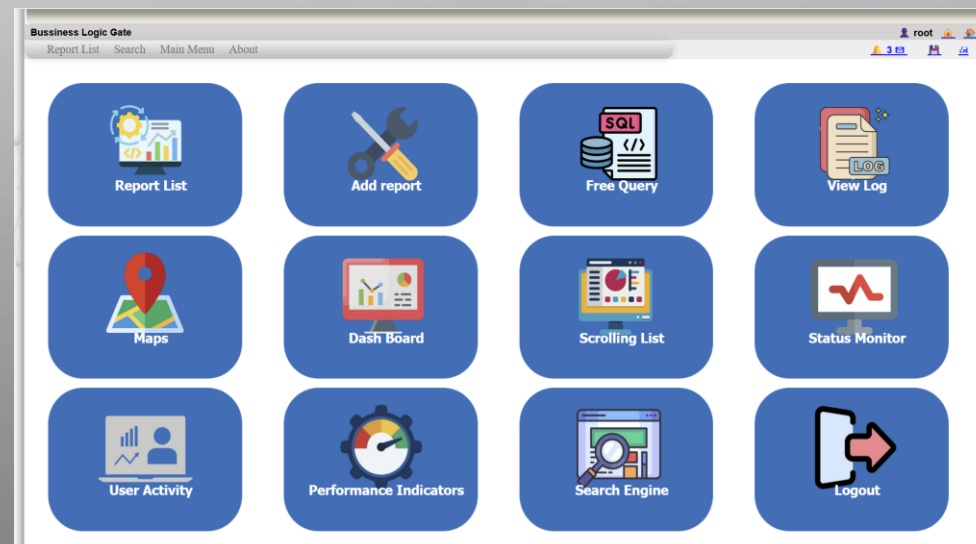
Business Module

Business Logic Gate

6. Reports

The system provides a complete separate module for reports which include the following options:

- Complete menu to generate reports in different format (html, excel, xml and txt...) for standard previously defined reports.
- Option to customize new reports for specific needs for each customers.
- The reports can be linked with maps for the cases which include locations for certain fields.
- The reports include dashboard to show the data in graphical chart fashion.
- It included a scrolling list showing live data displayed in a dynamic continuous scrolling list.
- The report include a status monitor to show the different status and actions that were done on each e-documents.

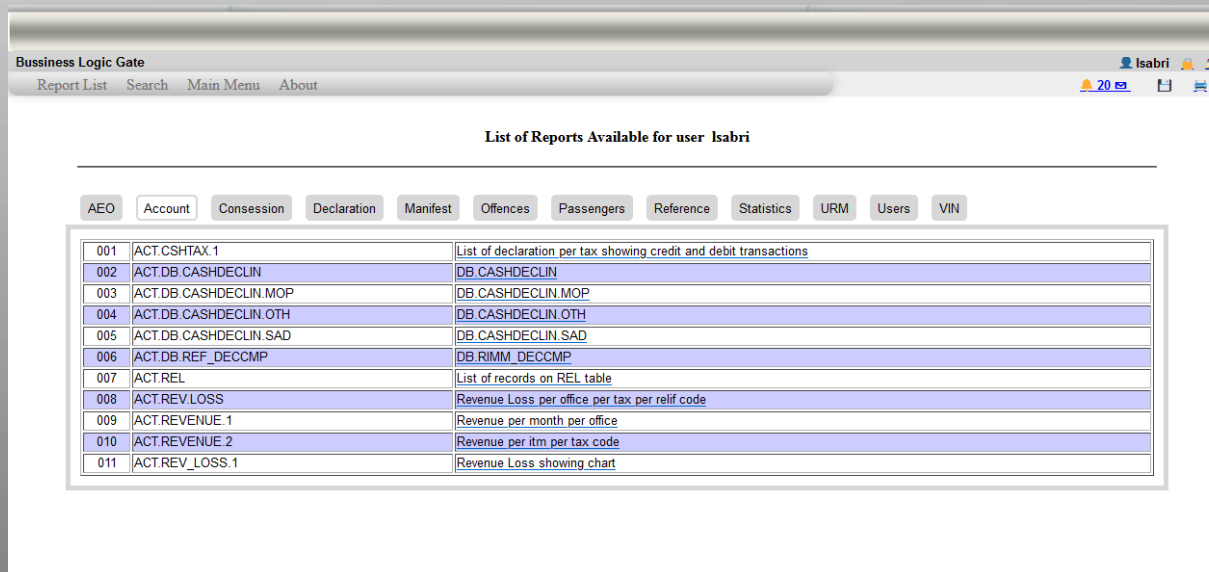


Business Module

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6. Reports

- The report includes user activity monitor which shows the user work and the different action or tasks done by each user.
- The report include performance indicators about the users performance during the work-flow and the effects on the system.
- The report module includes search engine to search any piece of data or information that was entered by users for all different modules that were configured in the system.



The screenshot displays the 'Business Logic Gate' application window. The title bar shows 'Business Logic Gate' and the user 'Isabri'. The menu bar includes 'Report List', 'Search', 'Main Menu', and 'About'. The main content area is titled 'List of Reports Available for user Isabri'. Below this title is a horizontal tab bar with the following tabs: AEO, Account, Consession, Declaration, Manifest, Offences, Passengers, Reference, Statistics, URM, Users, and VIN. The 'AEO' tab is currently selected. The main area shows a table with 11 rows of report data. Each row contains a report ID, a report name, and a description. The table is as follows:

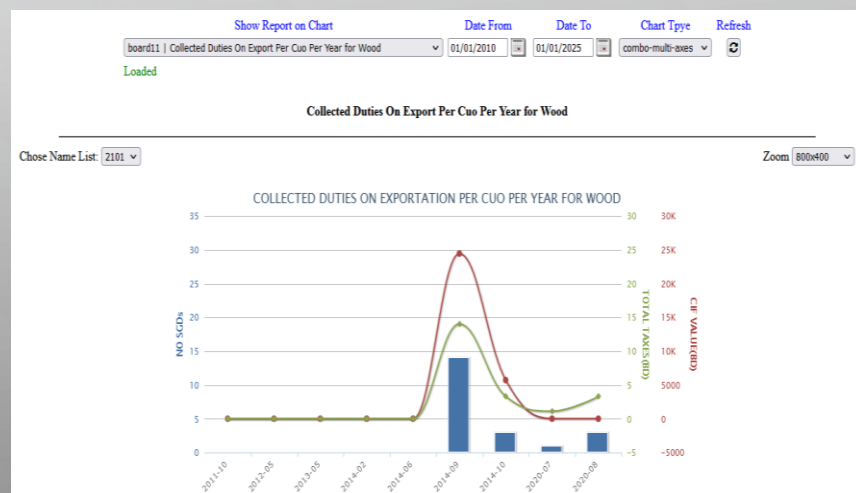
Report ID	Report Name	Description
001	ACT.CSHTAX.1	List of declaration per tax showing credit and debit transactions
002	ACT.DB.CASHDECLIN	DB.CASHDECLIN
003	ACT.DB.CASHDECLIN.MOP	DB.CASHDECLIN.MOP
004	ACT.DB.CASHDECLIN.OTH	DB.CASHDECLIN.OTH
005	ACT.DB.CASHDECLIN.SAD	DB.CASHDECLIN.SAD
006	ACT.DB.REF_DECCMP	DB.RIMM_DECCMP
007	ACT.REL	List of records on REL table
008	ACT.REV.LOSS	Revenue Loss per office per tax per relif code
009	ACT.REVENUE.1	Revenue per month per office
010	ACT.REVENUE.2	Revenue per itm per tax code
011	ACT.REV_LOSS.1	Revenue Loss showing chart

Business Module

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6. Reports

The report module have standard previously defined reports which cover all needs required by the customers and companies. It also include build in options to customized new reports based in special requirements by each business client.



CUO COD	DEC CODE	DEC NAME	REG NBR	REG SER	STATUS	TIME
2101	000012-18	UNIVERSAL ENTERPRISES CLEARING SERV	54	4	Fully Exited	2021-08-31 09:47:08
2101	000012-18	UNIVERSAL ENTERPRISES CLEARING SERV	53	4	Fully Exited	2021-08-31 09:33:09
2101	000012-18	UNIVERSAL ENTERPRISES CLEARING SERV	52	4	Released	2021-08-30 23:37:54
2101	000012-18	UNIVERSAL ENTERPRISES CLEARING SERV	51	4	Selected	2021-08-30 22:58:39
2101	000012-18	UNIVERSAL ENTERPRISES CLEARING SERV	50	4	Selected	2021-08-30 22:27:16
2101	000012-18	UNIVERSAL ENTERPRISES CLEARING SERV	23	4	Selected	2021-08-29 22:54:37
2101	000643-01	ABDULRASOOL GHULOOM ALI - W.L.L	32	4	Selected	2021-08-29 14:43:07
2101	000643-01	ABDULRASOOL GHULOOM ALI - W.L.L	40	4	Selected	2021-08-29 14:31:05
2101	000643-01	ABDULRASOOL GHULOOM ALI - W.L.L	44	4	Selected	2021-08-29 14:18:07
2101	000012-18	UNIVERSAL ENTERPRISES CLEARING SERV	2	7	Paid	2021-07-23 23:43:08
2104	000012-18	UNIVERSAL ENTERPRISES CLEARING SERV	1	7	Assessed	2021-07-23 23:21:30
2101	000643-01	ABDULRASOOL GHULOOM ALI - W.L.L	49	4	Registered	2021-07-17 21:02:27
2101	000643-01	ABDULRASOOL GHULOOM ALI - W.L.L	48	4	Released	2021-07-10 17:09:46
2101	000643-01	ABDULRASOOL GHULOOM ALI - W.L.L	47	4	Released	2021-07-08 22:23:01
2101	000643-01	ABDULRASOOL GHULOOM ALI - W.L.L	46	4	Registered	2021-07-08 21:50:14

Registered

Assessed

Paid

Green

Blue

Yellow

Orange

Query

Red

Cleared

Exited

Passed

Released

Business Module

7. Accessing the built module

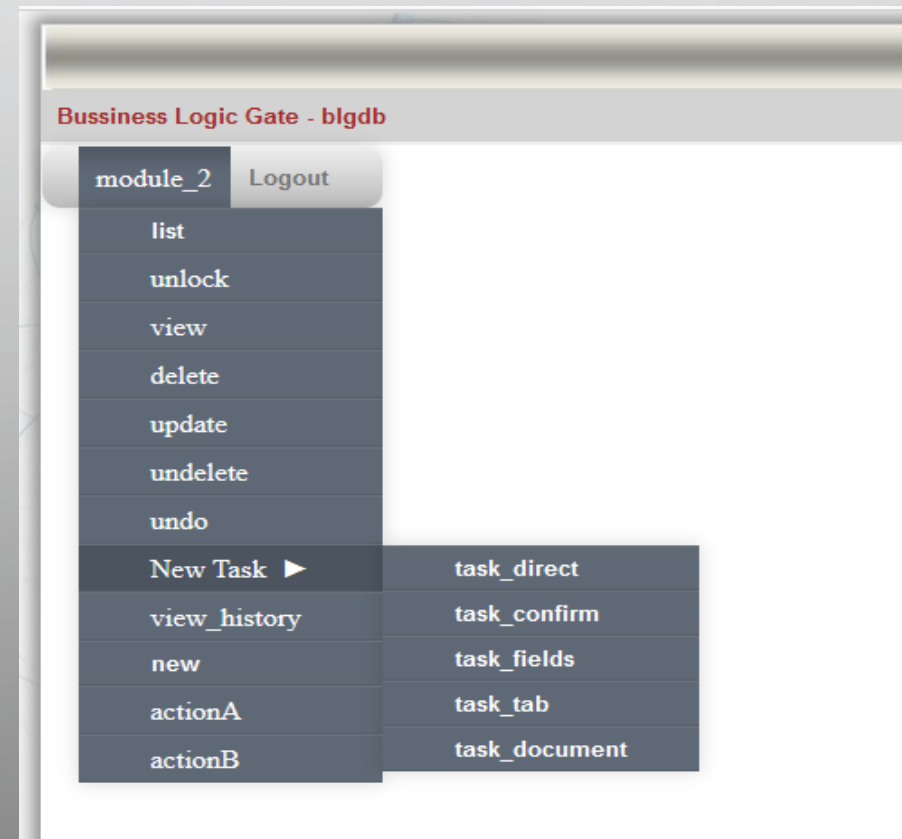
Each user can login and start accessing the built module directly from the same interface and window, by entering the business account name and user login name and password. The user can only view and access the options authorized for him.

All options will be displayed for the user either in the main menu, local menu or in the list menu according to the accesses given to him.

The user will be able to create e-documents and process it also according to accesses given to him.

Each user can only work on parts of the e-documents and on certain fields in each form according to the accesses given for him through the groups.

Business Logic Gate



Business Module

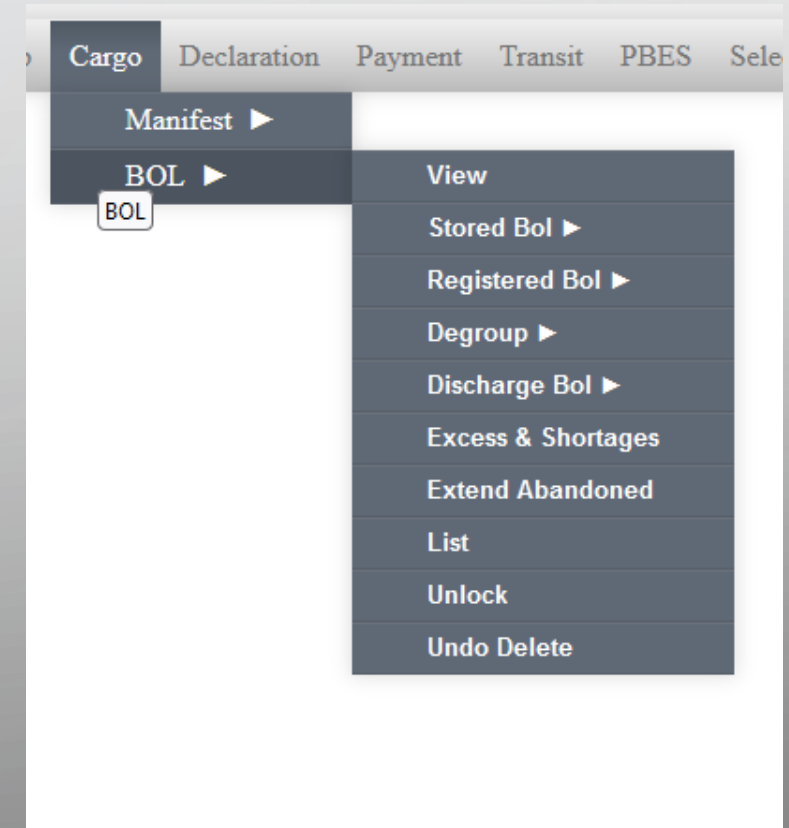
8. Examples of modules

8.1. Cargo module

8.1.1 Main Menu

This is example of menu and options given for a created cargo module. As shown in the image different options have been created for this option to cover all types of processes , actions or tasks need by this module.

Business Logic Gate



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8.1. Cargo module

8.1.2 eDocument

This is example of e-document for cargo module, the actions or processes are shown on top-left status bar. Each user can view and process the actions given to him on that e-document. The e-document covers all fields needed by the cargo work-flow.

The screenshot shows a web application window titled "Business Logic Gate". In the top right corner, the user "Isabri" is logged in. Below the title bar, there is a status bar with a sequence of buttons: "Check" ⇒ "Validate" ⇒ "Store" ⇒ "Register".

Below the status bar, there are three tabs: "Manifest", "Bol", and "Container". The "Manifest" tab is currently selected. The main content area displays a form for the Manifest module, with the word "Manifest" written in red text in the top right corner of the form.

The form contains the following fields:

- Office : _____
- Voyage Number : _____
- Date of Departure : _____ (with a calendar icon)
- Date of Arrival : _____ (with a calendar icon)
- Time of Arrival : 00 : 00 : 00
- Registration No: / _____
- Registration Date: _____ on _____
- Place of Departure : _____
- Place of Destination : _____
- Carrier : _____
- Transporter : _____
- Name : _____

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8.1. Cargo module

8.1.3 List Menu

The module also can view all e-documents of manifest in a list form. The last column in the list shows different processes can be applied for each e-document which include (view, update, delete and active action to continue processing the document).

Trade Logic Gate

user Isabri [Change Password](#) [Home](#)
[20 new messages](#) [Save](#) [Print](#)

Manifest List

Search Field:

Office

 Search Text: (+)

Sort By:

Office

Seq	Office	Voyage	Departure Date	Registration NO	Registration Date	Status	Bols	Packages	Containers	Gross Mass	Instance	Operation
1	2101	VOY200	2012-09-18	6	2020-10-10 18:06:00.000	Cancelled	2	1268.0	2	19815.0	251	
2	2101	VOY300	2012-09-18			Stored	0	0.0	0	0.0	252	
3	2101	voy10	2020-10-20	18	2020-10-20 18:45:14.000	Registered	2	1268.0	2	19815.0	270	
4	2101	VOY500	2012-09-18	1	2020-10-08 23:07:54.000	Registered	0	0.0	0	0.0	254	
5	2101	VOY700	2012-09-18			Stored	0	0.0	0	0.0	256	
6	2101	VOY800	2012-09-18	3	2020-10-09 14:50:13.000	Registered	0	0.0	0	0.0	257	
7	2101	VOY900	2012-10-01	4	2020-10-09 14:53:33.000	Registered	-4	1.0	1	100.0	258	
8	2101	voy22	2020-11-19	26	2020-11-19 21:46:41.000	Registered	0	0.0	0	0.0	278	
9	2101	voy22	2020-11-21			Stored	2	1268.0	2	19815.0	279	
10	2101	VOY400	2012-09-18			Stored	0	0.0	0	0.0	253	
11	2101	VOY1200	2012-09-18	9	2020-10-10 18:34:32.000	Registered	0	0.0	0	0.0	261	
12	2101	voy13	2020-10-21	20	2020-10-21 22:40:22.000	Registered	2	1268.0	2	19815.0	273	
13	2101	voy8	2020-10-12	17	2020-10-12 14:49:05.000	Stored	2	1268.0	2	19815.0	268	
14	2101	voy11	2020-10-21			Stored	2	1268.0	2	19815.0	271	
15	2101	voy12	2020-10-21	19	2020-10-21 22:14:59.000	Registered	2	1268.0	2	19815.0	272	

Business Module

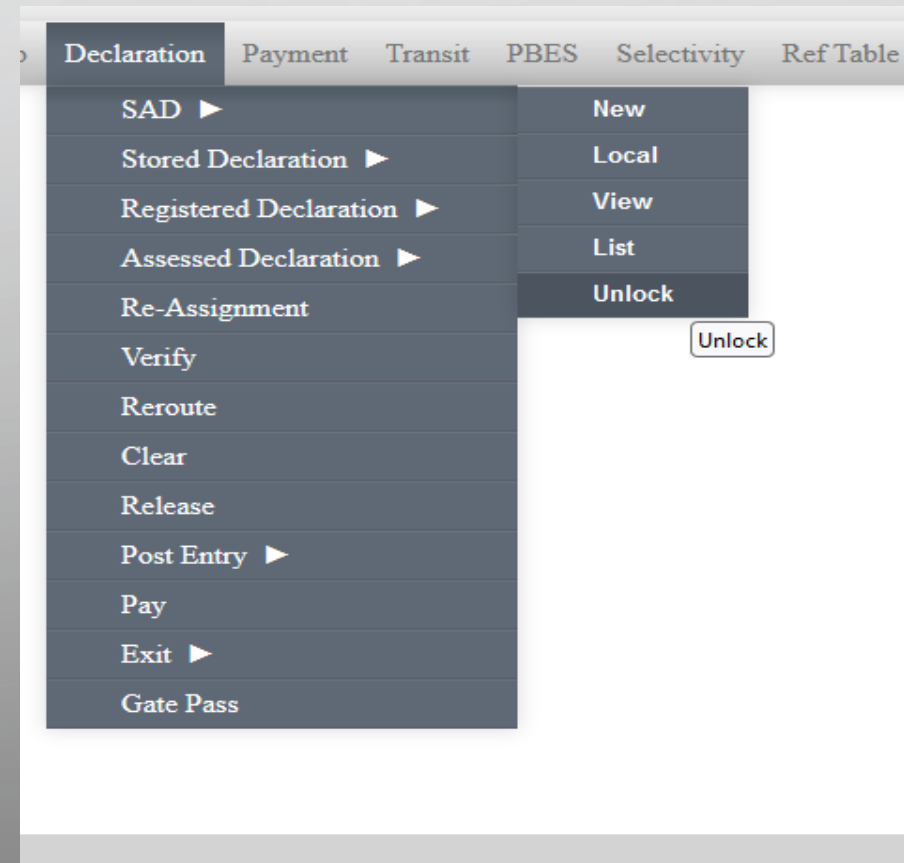
8.2. Customs Declaration module

8.2.1 Main Menu

This is example of main menu and options given for customs declaration module.

The image shows all types of options (heading and subheading) displayed in the main menu (Store, register, assessment, payment, risk analysis, clear, exit and release of goods) . The options created by the actions and processes defined for that module covers all the operations needed to process an e-SAD document for customs.

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Business Module

8.2. Customs Declaration module

8.2.2 eDocument

This is example of e-document for customs declaration module. The e-document is divided into main tab, item and sub tabs, each contain a form page.

The e-document includes tabs or pages for (main, value, attached documents, receipt, exit, risk analysis, containers, assessment....). On top-left shown the status bar where all process and actions that were applied on the e-document. (Store, Register, Assess , Pay, Clear, Risk , Exit and Release...)

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The screenshot displays the 'Business Logic Gate' web application. At the top, a status bar shows a sequence of steps: 1 Register, 2 Assess Registered (direct), 3 Registered direct to assessed, 4 Request Clearance, 5 Clearance, 6 Exit, and 7 Release. Below this, a series of tabs are visible: SAD, Val. Note, ASS. Notice, Att. Doc, Item Val. Note, Risk Analysis, and Exit Note. The main content area is divided into several sections:

- 1 DECLARATION**: Includes a barcode and a table with fields for 'IM' (5), 'Forms' (1), 'Lists' (1), 'Items' (1), 'Total Pack' (10.0), and 'Declarant Reference Number' (2012 / 000015).
- 2 Exporter**: A form field with 'No:' and a value.
- 3 Forms**: A table with '1' and '1'.
- 4 Lists**: A table with '1' and '1'.
- 5 Items**: A table with '1' and '1'.
- 6 Total Pack**: A table with '10.0'.
- 7 Declarant Reference Number**: A table with '2012 / 000015'.
- 8 Consignee**: A form field with 'No: 062561-01' and address details: 'ALMUTAWA STORE', 'Flat No.: Building No.: 110c', 'Block No.: 606 Road No.: 10', 'Town: KHARJIYA', 'P.O. Box No.: 20469'.
- 9 Person Responsible For Financial Settlement No.:** A form field.
- 10 Country Last**: A table with 'Consignee' and 'Country'.
- 11 Trading**: A table with 'Country' and '0.000'.
- 12 Value Details**: A table with '0.000'.
- 13 C.A.P.**: A table with '0'.
- 14 Declarant/Representative**: A form field with 'No: 025064-03' and address details: 'SUPER EXPRESS', 'Flat No.: 101', 'Building No.: 330'.
- 15 Country of Export**: A table with 'Country' and '0.000'.
- 16 C.E. Code**: A table with '0.000'.
- 17 C.D. Code**: A table with '0.000'.

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8.2. Customs Declaration module

8.2.3 List menu

The module also can view all e-documents in a list form.. The last column in the list shows different processes can be applied for each e-document which include (view, update, delete and active action to continue processing the document).

844	2101	IM6	062561-01		04998-01	2012 / 000026	1	6 9 2012-03-20	A 278 2012-03-20		1890.0	1.5			Cancelled		942				
845	2101	IM6	062561-01		04998-01	2012 / 000027	1	6 10 2012-03-20	A 279 2012-03-20		1890.0	1.5			Cancelled		943				
846	2101	EX1		062561-01	025064-03	2012 / 000154	1	1 80 2012-03-20	A 280 2012-03-20		1000.0	1.1		Shed 7	Registered		944				
847	2101	IM7	000507-25		038729-01	2012 / 000014	1	7 13 2012-03-06	A 134 2012-03-06	R 44 2012-03-06	12474.0	1.1	WP005	KBSPShed3	Cleared	Green	786				
848	2101	EX3		000507-25	038729-01	2012 / 000015	1	3 14 2012-03-06	A 135 2012-03-06	R 45 2012-03-06	6804.0	1.1	WP005	KBSPShed3	Cleared	Green	787				
849	2101	EX3		000507-25	038729-01	2012 / 000016	1	3 15 2012-03-06	A 136 2012-03-06	R 46 2012-03-06	4536.0	1.1	WP005	KBSPShed3	Cleared	Green	788				
850	2101	EX1		000815-01	025064-03	2012 / 000297	2	1 4 2014-01-20	A 23 2014-01-20		1000.0	1.0			Cancelled		807				
851	2101	IM4	026770-01		033205-01	2012 / 000005	1	4 50 2012-03-07	A 149 2012-03-07	R 49 2012-03-07	567.0	11.5			Selected	Red	801				
852	2101	EX1		062585-01	005479-01	2012 / 000001	1	1 81 2012-03-20	A 958 2013-12-23		1000.0	1.0			Cancelled		945				
853	2101	EX1		062585-01	076051-01	2012 / 000001	1	1 82 2012-03-20	A 282 2012-03-20		1000.0	1.0			Registered		946				
854	2101	EX1		000236-01	000236-01	2012 / 000001	2	1 83 2012-03-20	A 283 2012-03-20		378.0	1.0		ACGLS	Registered		947				
855	2101	EX1		062585-01	005479-01	2012 / 000002	2	1 84 2012-03-20	A 284 2012-03-20		378.0	1.0			Registered		948				
856	2101	EX1		062581-01	076051-01	2012 / 000002	1	1 85 2012-03-20	A 285 2012-03-20		378.0	1.0			Registered		949				
857	2101	IM4	33768-02		00289-31	2012 / 000001	1	4 1 2012-01-03	A 1 2012-01-03		577.5	1.5			Assessed		648				

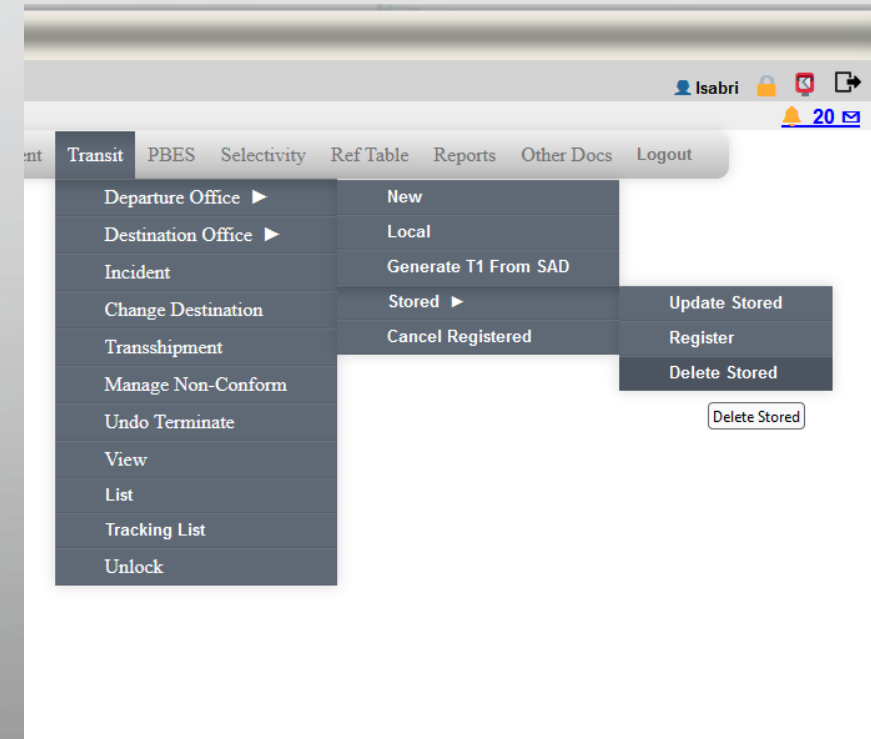
Business Module

8.3. Transit module

8.3.1 Main Menu

This is example of main menu and options for a transit module. It include actions such as (Store, Register, change destination, Transshipment, Tracking and Terminate....) and many other processes which cover main operations done on the e-transit document.

Business Logic Gate



Business Module

Business Logic Gate

8.3. Transit module

8.3.2 eDocument

This is example of e-document for a transit module. The e-document is divided into main tab and attach documents tab and subitems , each contain a form page. At top-left is shown the status bar which holds the actions and process to be applied on the document (Check , Validate, Store and Register) .

The screenshot displays the 'Business Logic Gate' application window. At the top, a status bar contains a sequence of buttons: 'Check' ⇒ 'Validate' ⇒ 'Store' ⇒ 'Register'. Below this, there are two tabs: 'General' (selected) and 'Att. Doc'. The main form area is divided into several sections. On the left, there is a vertical list of subitems: '1', '2 Exporter', '8 Consignee', and '14 Declarant/Representative'. Each subitem has a corresponding form field with a 'No:' label and a text input area. On the right, there is a table-like structure with the following data:

1 TRANSIT		A Office Code : _____	
3 Forms	4 Lists	Customs Reference	
1	1	Number : Date :	
5 Items	6 Total Pack	7 Declarant Reference Number	
1		2024 / _____	

Business Module

Business Logic Gate

8.3. Transit module

8.3.3 List Menu

The module also can view all e-documents of transit in a list form.. The last column in the list shows different processes can be applied for each e-document which include (view, update, delete and active action to continue processing the document).

Trade Logic Gate

user Isabri [Change Password](#) [Home](#)
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Transit List

Search Field: Search Text: (+)

Sort By :

Seq	Dep Office	Dest Office	Ref Nber	Dec Code	Principle	Reg No	Validate No	Arrival Date	Time Delay	No of Items	Instanceid	Status	Operation
1	2101	2102	2023 / 3	000012-18	000188-05	T 3 2023-01-31 11:47:39.750		2023-01-31		5	41	Non Conformed	
2	2101	2101	2021 / 4	000012-18	000188-05	T 3 2021-10-12 00:00:00.000				1	4	Cancelled	
3	2101	2102	2022 / 35	000012-18	000188-05	T 1 2022-06-01 00:00:00.000	F 1 2022-06-01 18:51:57.553	2022-06-01		2	37	Closed	
4	2101	2102	2021 / 29	016161-01	000000-01					1	30	Stored	
5	2101	2101	2021 / 34	000012-18	000188-05	T 25 2021-10-26 00:00:00.000	F 10 2021-10-26 00:00:00.000	2021-10-26		1	34	Conformed	
6	2101	2102	2021 / 32	038729-01	000188-05	T 23 2021-10-23 00:00:00.000				1	32	Cancelled	
7	2101	2101	2021 / 35	000012-18	000188-05					1	35	Stored	
8	2101	2101	2021 / 28	000012-18	000188-05	T 22 2021-10-22 00:00:00.000				1	28	Cancelled	

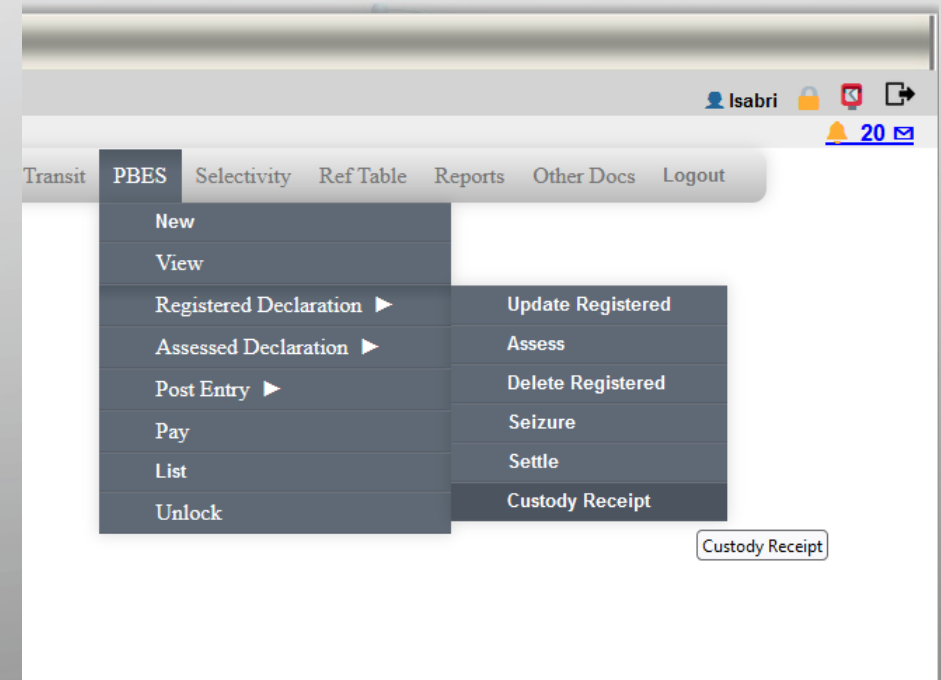
Business Module

8.4. Passenger module

8.4.1 Main menu

This is example of main menu and options for a passenger module (Register, Assess , Seizure, Settle, Custody, Pay and Post entry...).

Business Logic Gate



Business Module

Business Logic Gate

8.4. Passenger module

8.4.2 eDocument

This is example of e-document for a passenger module. It is divided into main tab , item and assessment tab, each contain a form page.

Business Logic Gate

Isabri

20

Back

Check ⇒ Validate ⇒ Register ⇒ Assess

Main Page Item Assessment Notice

				DECLARATION		Customs Clearance Office :	
Passenger/ Consignee	2 Passenger No/CR No _____			PE	4	_____	
	Name _____ Family _____				Total Gross Mass	Registration No _____	
	Nationality _____			Item	Total Packages	Assessment No _____	
	Address _____			1			
Calculation of taxes	Type	Tax Description	Amount	CE	Certi of Origin	Country of Export	
	_____	_____	_____	a _____	b _____	_____	
	_____	_____	_____	MOT Reg No _____		Mode Of Transport _____	
	_____	_____	_____	Total Amount Invoiced _____		Currency & Exch Rate _____	
	_____	_____	_____	Notes(Reasons for Seizure) _____			

Business Module

Business Logic Gate

8.4. Passenger module

8.4.3 List menu

The module also can view passenger e-documents in a list form.. The last column in the list shows different processes can be applied for each e-document which include (view, update, delete and active action to continue processing the document).

Trade Logic Gate

user Isabri [Change Password](#) [Home](#)
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PBES Simplified Declaration List

Search Field: Search Text: (+) Sort By :

Seq	Office	Reg Serial	Reg No	Reg Date	Items	Passport No	Taxes	Status	Ass Serial	Ass No	Ass Date	Instance	Operation
1	2101	P	2	2021-08-05 00:00:00.000	1	1111	0.000000	Cancelled	L	4	2021-08-06 00:00:00.000	853	--- --- ---
2	2101	P	22	2021-08-11 00:00:00.000	1	1020	100.000000	Cancelled				873	--- --- ---
3	2101	P	29	2021-08-12 00:00:00.000	1	1080	100.000000	Seized				880	
4	2101	P	3	2021-08-06 00:00:00.000	1	222	0.000000	Assessed	L	5	2021-08-06 00:00:00.000	854	---
5	2101	P	6	2021-08-06 00:00:00.000	1	555	0.000000	Assessed	L	3	2021-08-06 00:00:00.000	857	---
6	2101	P	16	2021-08-07 00:00:00.000	1	1003	100.000000	Cancelled	L	14	2021-08-07 00:00:00.000	867	--- --- ---
7	2101	P	24	2021-08-12 00:00:00.000	1	1030	100.000000	Assessed	L	17	2021-08-12 00:00:00.000	875	
8	2101	P	13	2021-08-07 00:00:00.000	1	1000	100.000000	Cancelled	L	11	2021-08-07 00:00:00.000	864	--- --- ---
9	2101	P	15	2021-08-07 00:00:00.000	1	1002	100.000000	Cancelled	L	13	2021-08-07 00:00:00.000	866	--- --- ---
10	2101	P	14	2021-08-07 00:00:00.000	1	1001	100.000000	Cancelled	L	12	2021-08-07 00:00:00.000	865	--- --- ---
11	2101	P	20	2021-08-10 00:00:00.000	1	1011	100.000000	Settled				871	---
12	2101	P	1	2022-06-01 00:00:00.000	1	2223	100.000000	Paid	L	1	2022-06-01 00:00:00.000	887	---
13	2101	P	26	2021-08-12 00:00:00.000	1	1060	100.000000	Assessed	L	19	2021-08-12 00:00:00.000	877	

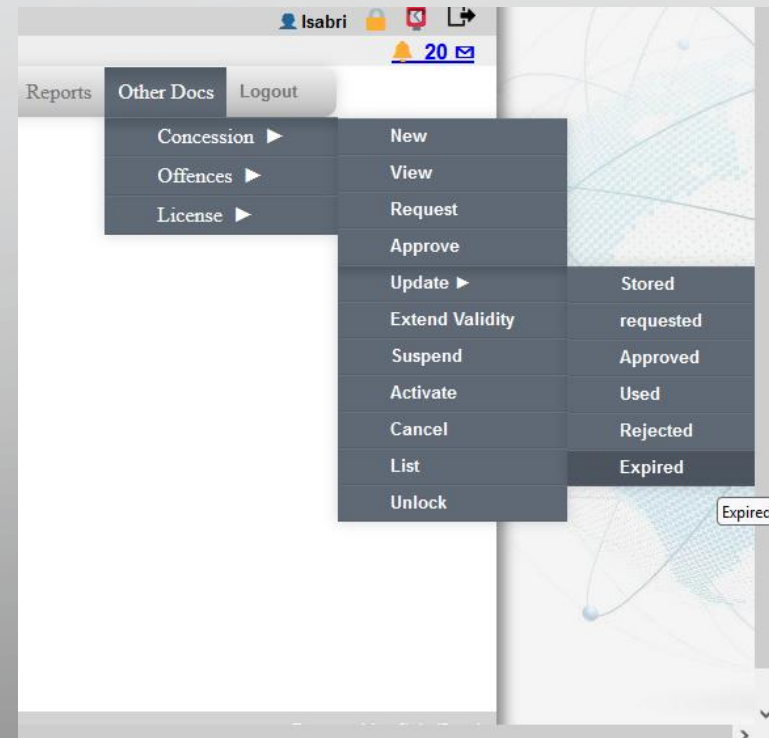
Business Module

8.5. Concession module

8.5.1 Main menu

This is example of main menu and options for a concession module. (Request, Approve, Extend, Suspend and activate) processes are defined

Business Logic Gate



Business Module

Business Logic Gate

8.5. Concession module

8.5.2 eDocument

This is example of e-document for a concession module. It is divided into main tab and items. Each page include the form and fields which describe the required data for part of the e-document.

The screenshot shows a web application window titled "Business Logic Gate". In the top right corner, there is a user profile "Isabri" and a notification bell with the number "20". Below the title bar, there is a workflow bar with three buttons: "Check" ⇒ "Validate" ⇒ "Store".

The main content area has two tabs: "Main Page" (selected) and "Item". Below the tabs, there is a form with the following fields and controls:

- A light blue header bar containing:
 - Code**: A text input field.
 - Concession No**: A text input field.
 - Issue Date**: A text input field.
 - Global Concession**: A checkbox.
- File No**: A text input field.
- Status**: A dropdown menu with "New" selected.
- Consignee**: A text input field.
- Valid From**: A date picker.
- Valid To**: A date picker.
- Beneficiary**: A text input field.
- Copy dates to all items**: A checkbox.
- Apply**: A button.

At the bottom of the form, there is a table with the following columns: "+", "No", "Code", "Description", "Reference", "Date", and "Attachment". The table is currently empty.

Business Module

Business Logic Gate

8.5. Concession module

8.5.3 List Menu

This is example of menu list showing a list of e-documents of concessions. Last column contains processes that can be applied on each document (view, delete, update and active action).

Trade Logic Gate

user Isabri [Change Password](#) [Home](#)
[20 new messages](#) [Save](#) [Print](#)

Concession List

Search Field: Search Text: (+)

Sort By :

--> >>

Seq	Concession No	File No	Ministry	Consignee	Beneficiary	Issue Date	Valid Date	Expiry Date	FAC	Global	Status	No of Items	Instance	Operation
1		039-RM-123	3400	048602-01	044750-01		1983-01-01	2027-10-31	1983-3400-000002	Disabled	Requested	3	1031	
2		039-RM-LPO-111	3400	048602-01	059868-01		1983-01-01	2027-10-31	1983-3400-000002	Disabled	Stored	1	646	
3		039-RM-LPO-111	3400	048602-01	059868-01		1983-01-01	2027-10-31	1983-3400-000002	Disabled	Stored	1	647	
4		018-RM-WWF1	3400	000999-01	001256-01		2013-10-02	2013-12-29	1983-3400-000001	Disabled	Stored	1	689	
5		039-RM	3400	044750-01						Disabled	Stored	1	770	
6		034-RM-FF001	3400	010210-01	040589-01		1980-03-03	2014-12-31	1980-3400-000001	Disabled	Stored	1	1634	
7		280-SP-RN-2013-12-23	3400	007108-01	049196-01		2013-12-23	2015-09-30	2013-3400-000485	Enabled	Stored	1	1627	
8		025-SP-RNW	3400	009633-01						Enabled	Cancelled	41	1727	
9		039-RM-UPS-12		048602-01	044750-01		1983-01-01	2027-10-31	1983-3400-000002	Disabled	Stored	1	2023	
10		034-RM	3400	010210-01	001561-01		1980-03-03	2014-12-31	1980-3400-000001	Disabled	Stored	2	1414	
11		039-RM-FR026A	3400	048602-01	044750-01		1983-01-01	2027-10-31	1983-3400-000002	Disabled	Cancelled	3	1706	
12		037-RM	3400	011300-01	064101-01		2013-10-09	2027-10-31	1982-3400-000003	Disabled	Stored	1	2031	

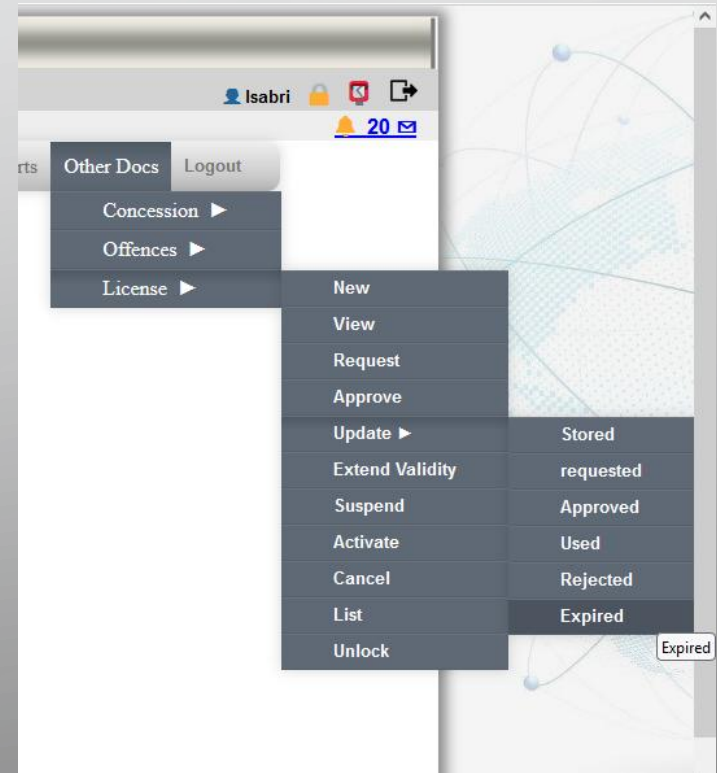
Business Module

8.6. license module

8.6.1 Main Menu

The main menu and options are shown for license module.

Business Logic Gate



Business Module

Business Logic Gate

8.6. license module

8.6.2 eDocument

This is example of e-document for a license module. It is divided into main item and fees tabs. Each page include the form and fields for each part of the e-document.

The screenshot shows a web application window titled "Business Logic Gate". In the top right corner, there is a user profile "Isabri" and a notification bell icon with the number "20". Below the title bar, there are three buttons: "Check", "Validate", and "Store", connected by right-pointing arrows. A tabbed interface is present with three tabs: "Main Page", "Item", and "Fees". The "Main Page" tab is currently selected. The form contains several input fields and controls:

- Ministry:** A text input field.
- License No:** A text input field.
- Issue Date:** A date input field.
- Reference No:** A text input field.
- License Type:** Radio buttons for "Single Use" (selected) and "Multi Use".
- Consignee:** A text input field.
- Valid From:** A date input field.
- Valid To:** A date input field.
- Document:** A text input field.
- License Status:** A dropdown menu with "New" selected.

Business Module

Business Logic Gate

8.6. license module

8.6.3 List Menu

This is example of menu list showing a list of e-documents of licenses. Last column contains processes that can be applied on each document (view, delete, update and active action).

Trade Logic Gate

user Isabri [Change Password](#) [Home](#)
[20 new messages](#) [Save](#) [Print](#)

License List

Search Field: Search Text: (+)

Sort By :

Seq	Reg Number	Ref Number	Issue Date	Mty Code	Cmp Code	Doc Code	Status	ITems	Valid Date	Expiry Date	Instance	Operation
1		ref1		1100	000188-05	001	Cancelled	0	2021-05-22	2021-05-28	402	
2		ref10		1400	000188-05		Stored	1			416	
3		ref2		1200	000770-01	002	Cancelled	1	2021-05-23	2021-05-31	403	
4		ref3		1300	000770-01	001	Cancelled	1	2021-05-23	2021-05-31	404	
5		ref3		1200	034255-02	003	Requested	1	2021-05-23	2021-05-31	405	
6		ref5		1100	000188-05		Cancelled	1	2021-05-23	2021-05-31	407	
7		ref4		1100	000188-05	001	Stored	1	2021-05-23	2021-05-31	406	
8		ref14		1300	000770-01	002	Requested	1			420	
9		ref15		1300	000770-01	001	Requested	1			421	
10		ref6		1100	000188-05	001	Cancelled	0	2021-05-23	2021-05-31	408	
11		ref8		1300	000188-05		Requested	1	2021-05-23	2021-05-31	410	
12		ref21		1100	000188-05	001	Requested	1			425	
13		2312.M0001		2312	011628-01	2312	Requested	1	2014-07-13	2014-08-14	379	

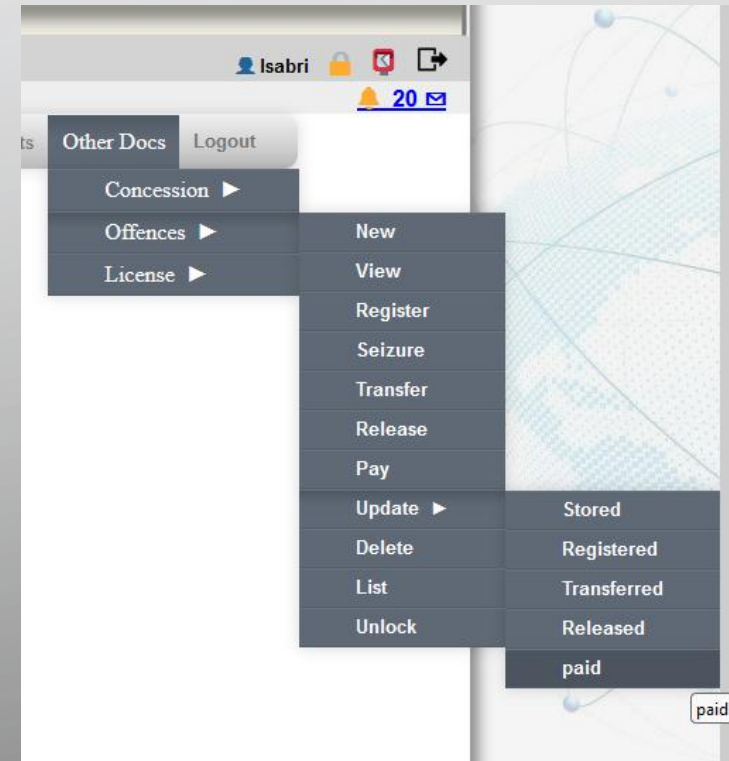
Business Module

8.7. Offences module

8.7.1 Main menu

The main menu and options are shown for offences module.

Business Logic Gate



Business Module

Business Logic Gate

8.7. Offence module

8.7.2 eDocument

This is example of e-document for a offences module. It is divided into offences main, comments, witness, fees and attach document tabs. Each tab or page include the form and fields for each tab.

The screenshot displays a web application window titled "Business Logic Gate". At the top, there is a navigation bar with a user profile "Isabri" and a notification bell icon showing "20". Below the navigation bar is a workflow bar with buttons: "Check" ⇒ "Validate" ⇒ "Store" ⇒ "Register".

The main content area features a tabbed interface with five tabs: "offences", "Comments", "Witness", "Fees", and "Att Doc". The "offences" tab is currently selected.

Under the "offences" tab, the "Offences Form" is displayed. The form is organized into two columns of fields:

- Left Column:**
 - Passport/Company: Text input field
 - Type: Radio buttons for "Passport" and "Company"
 - Name: Text input field
 - Local ID: Text input field
 - Nationality: Text input field with a dropdown arrow
 - Permanent Address: Text input field with a dropdown arrow
 - Resident: Checkmark box
 - Date of birth: Text input field with a calendar icon
 - Gender: Radio buttons for "Male" and "Female"
- Right Column:**
 - Date & Time: Text input field
 - Customs Office: Text input field
 - Reg Number: Text input field
 - SAD Year: Text input field
 - SAD Office: Text input field
 - SAD Dec.: Text input field
 - SAD Ref.: Text input field
 - Voyage/Flight No: Text input field
 - M.O.T.: Text input field
 - HS Code: Text input field
 - Value: Text input field
 - Weight/Quantity: Text input field
 - Description: Text input field
 - Plac of consignment: Text input field
 - Detailed description of seized products: Text input field

Business Module

Business Logic Gate

8.7. Offence module

8.7.3 List Mneu

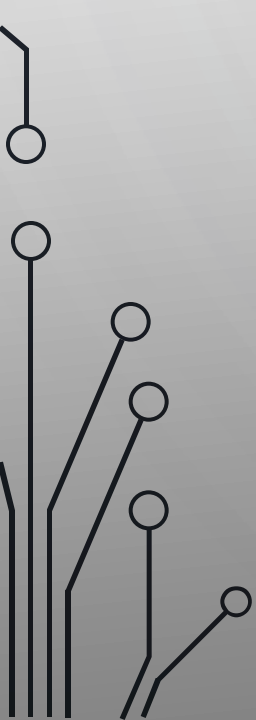
This is example of menu list showing a list of e-documents of offences. Last column contains processes that can be applied on each document (view, delete, update and active action).

63	062605-01	TASKEEN TRDING	2013-05-29 17:41:34.000	2012	2101	019662-06	000004								Seized	19						
64	062716-03	WIRE AND WIRELESS	2013-07-09 12:16:23.000	2013	2101	025064-03	000012								Stored	22						
65	062716-03	WIRE AND WIRELESS	2013-01-02 16:19:13.000	2012	2101	016161-01	000021								Seized	1						
66	062769-01	ALTEEM ELECTROMECHANICAL CONTRACTING	1970-01-01 12:59:00.000					Bahrain	FIFOR	FIGUL					Released	5						
67	062769-01	ALTEEM ELECTROMECHANICAL CONTRACTING	1970-01-01 18:40:00.000					Bahrain	JPSMI	BHBAH					Released	2						
68	065573-01	INFOVISION CONSULTANTS W.L.L	2014-04-21 14:10:02.000	2014	2101	076048-01	000001		JOMPQ	FIGUL	O	6	2014-05-19 00:00:00.000	Transferred	46		2101					
69	065573-01	INFOVISION CONSULTANTS W.L.L	2014-04-21 11:11:10.000	2014	2101	076048-01	000001		JOMPQ	BHKBS	O	5	2014-04-21 00:00:00.000	Paid	44		2101					
70	066612-02	HIGH FLY BIRD	2013-01-30 12:02:00.000	2013	2101	046893-02	000002							Seized	7							
71	066612-02	HIGH FLY BIRD	2013-01-30 12:02:38.000	2013	2101	046893-02	000012							Stored	8							
72	069733-01	AL DUR POWER AND WATER COMPANY BSC C	2013-05-29 18:47:36.000	2013	2101	046314-03	000001							Stored	21							
73	070123-01	النور العالمية التجارية ش.م.و	2014-03-26 10:55:31.000	2014	2206	009052-01	000001		JOAMM					Stored	43							
74	1000	loai sabri	2021-08-19 13:08:19.000								O	10	2021-08-21 00:00:00.000	Cancelled	64		2101					
75	1002	loai	2021-08-19 22:08:19.000								O	1	2021-08-19 00:00:00.000	Seized	66		2101					
76	1002	loai	2021-08-19 22:08:19.000								O	8	2021-08-21 00:00:00.000	Registered	65		2101					

9. Summary

- Nowadays the companies are paying high costs for solutions to automate and digitize their work-flow. They spend too much money trying to find business software which cover all activities of their business.
- The business module of business logic gate provide an easy , user friendly low cost solution without the need to implement any piece of hardware or software.
- The company only need to subscribe and register in the business application online and remotely from anyplace. They will get a business account, and directly in a few steps they can build their module and add groups and users.
- The built module will be directly ready for run online and can be accessed by the defined users from same interface and window.
- Small size company , large or extra large business can make use of the business module web-service, and can build small size module to large and multi-module business.
- The business solution aim to provide customer administration with economical e-solution which does not require any cost basement installation from both server and client sides.

9. Summary

- The business application can work from any browser, any device mobile or laptop and from any location without the need of any client/server side preparations.
 - The application does not need any implementation or installation. It is accessed directly online (building and running the application)
 - The business solution comes with predefined set of reports which monitor the user performance and tracking the e-document movement and flow. The solution records all information done on the system and have set of log files.
- 
- 