HSU Enterprise Application Stack(HSU EAS)

MANUAL

Marvin
HSU FORUM
VERSION 3.0.3

目錄

1. Introduction

HSU Enterprise Application Stack(HSU EAS)，It is made by Marvin. You can download from Git Hub. EAS was made by using main stream Java technology, include Prime Faces(JSF), Spring Boot, Spring Data JPA, Hibernate(JPA) and Spring Security. The goal of EAS is increase productivity, compare with using Java script to develop, it can increase 20%~30% productivity. HSU Common is common library, HSU EAS is main application. I suggest work with Dock, Kubernates, Openshift OKD. Default account and password is admin and abcd1234

- Support language is Traditional Chinese, Simple Chinese and English
- Support DB is Oracle, SQL Server and MySQL
- Support AP Server is Tomcat, Jetty
- HSU Common Git Hub download address is https://github.com/MarvinHsu/HSUCommon
- HSU EAS Git Hub download address is https://github.com/MarvinHsu/EAS
- HSU EASS Git Hub download address is https://github.com/MarvinHsu/EASS
- Support Java AP Server

Java AP Server
Tomcat
Jetty

- Support Data Base

Data Base	Version
MySQL	5.5+
Oracle	10g+
SQL Server	2008+
DB2	9.7+
PostgreSQL	9.6+

2. Using steps

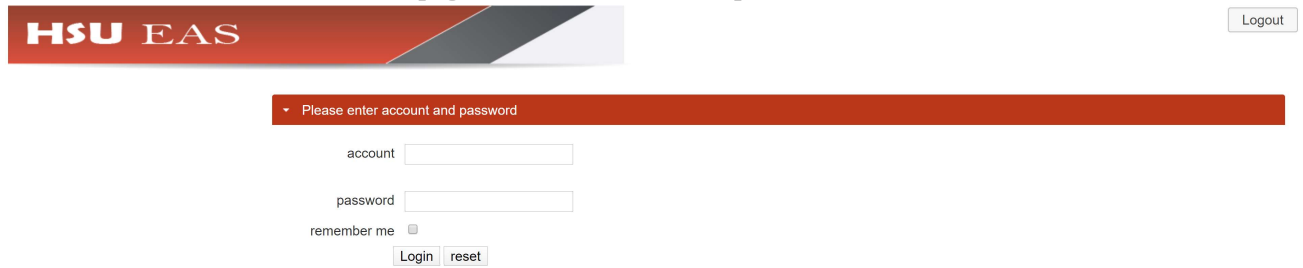1. Import Git Maven Prject in Eclipse
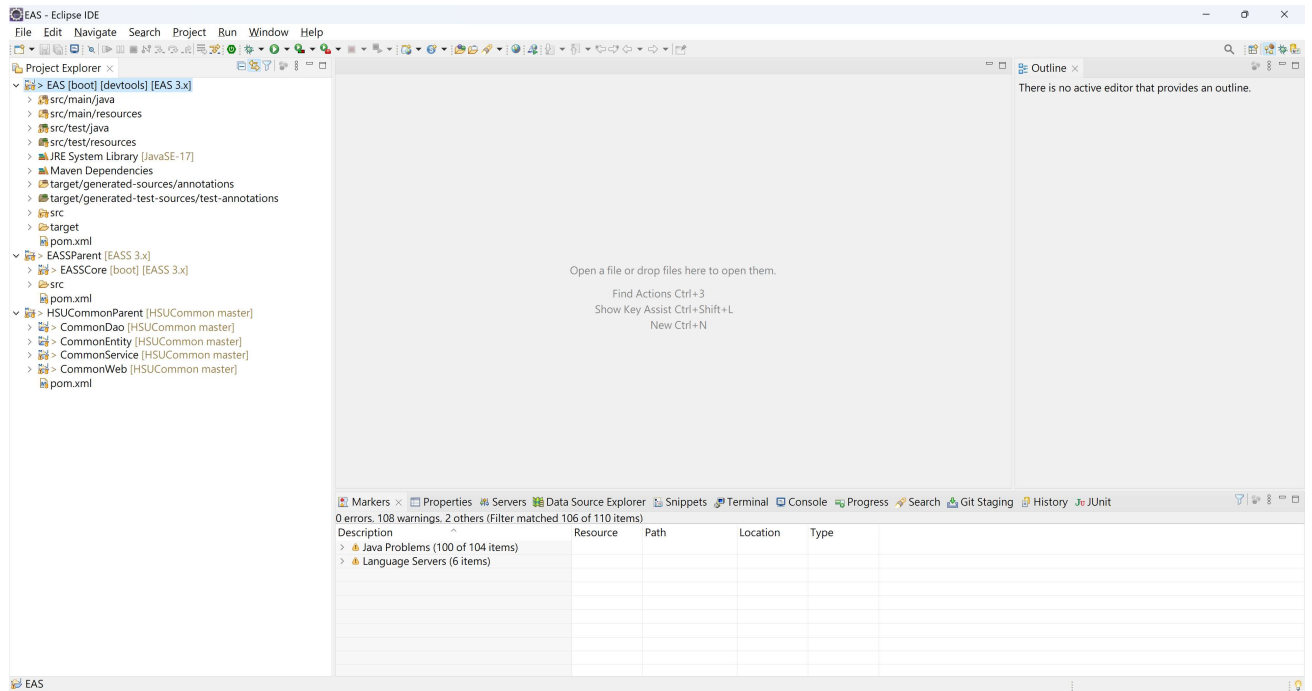
2. EAS depend your DB environment to execute DB Schema SQL and DB Init Data SQL
   - 📂 DB Init Data SQL
     - 📄 Init Data en.sql
     - 📄 Init Data en_PostgreSQL.sql
     - 📄 Init Data zh_CN.sql
     - 📄 Init Data zh_CN_PostgreSQL.sql
     - 📄 Init Data zh_TW.sql
     - 📄 Init Data zh_TW_PostgreSQL.sql
   - 📂 DB Schema SQL
     - 📄 DB2 Schema.sql
     - 📄 MySQL Schema.sql
     - 📄 Oracle Schema.sql
     - 📄 PostgreSQL Schema.sql
     - 📄 SQL Server Schema.sql

3. EASS depend your DB environment to execute DB Schema SQL and DB Init Data SQL
   - 📂 DB Init Data SQL
     - 📄 Init Data en.sql
     - 📄 Init Data zh_CN.sql
     - 📄 Init Data zh_TW.sql
   - 📂 DB Schema SQL
     - 📄 DB2 Schema.sql
     - 📄 MySQL Schema.sql
     - 📄 Oracle Schema.sql
     - 📄 PostgreSQL Schema.sql
     - 📄 SQL Server Schema.sql
     - 📄 tables_db2_v95.sql
     - 📄 tables_mysql_innodb.sql
     - 📄 tables_oracle.sql
     - 📄 tables_postgres.sql
     - 📄 tables_sqlServer.sql

4. Start AP Server and brows default page. Default account and password is admin and abcd1234
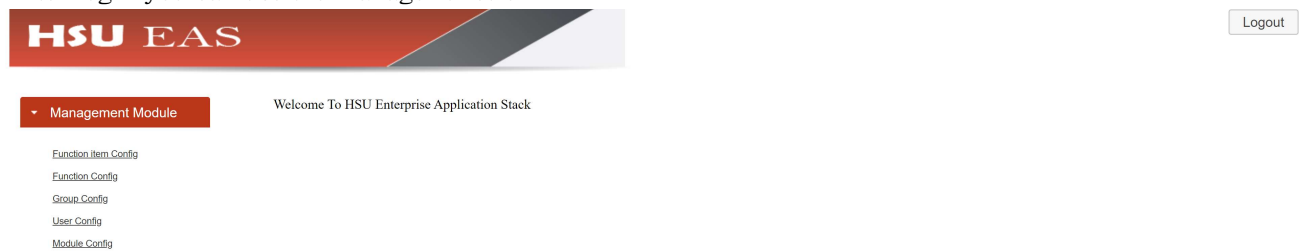
HSU EAS

▾ Please enter account and password

account [_____]

password [_____]

remember me ☐

[Login] [reset]

5. After login you can use the manage function

HSU EAS

▾ Management Module

Function item Config
Function Config
Group Config
User Config
Module Config

Welcome To HSU Enterprise Application Stack

3. CRUD sequence machanism

3.1 Query
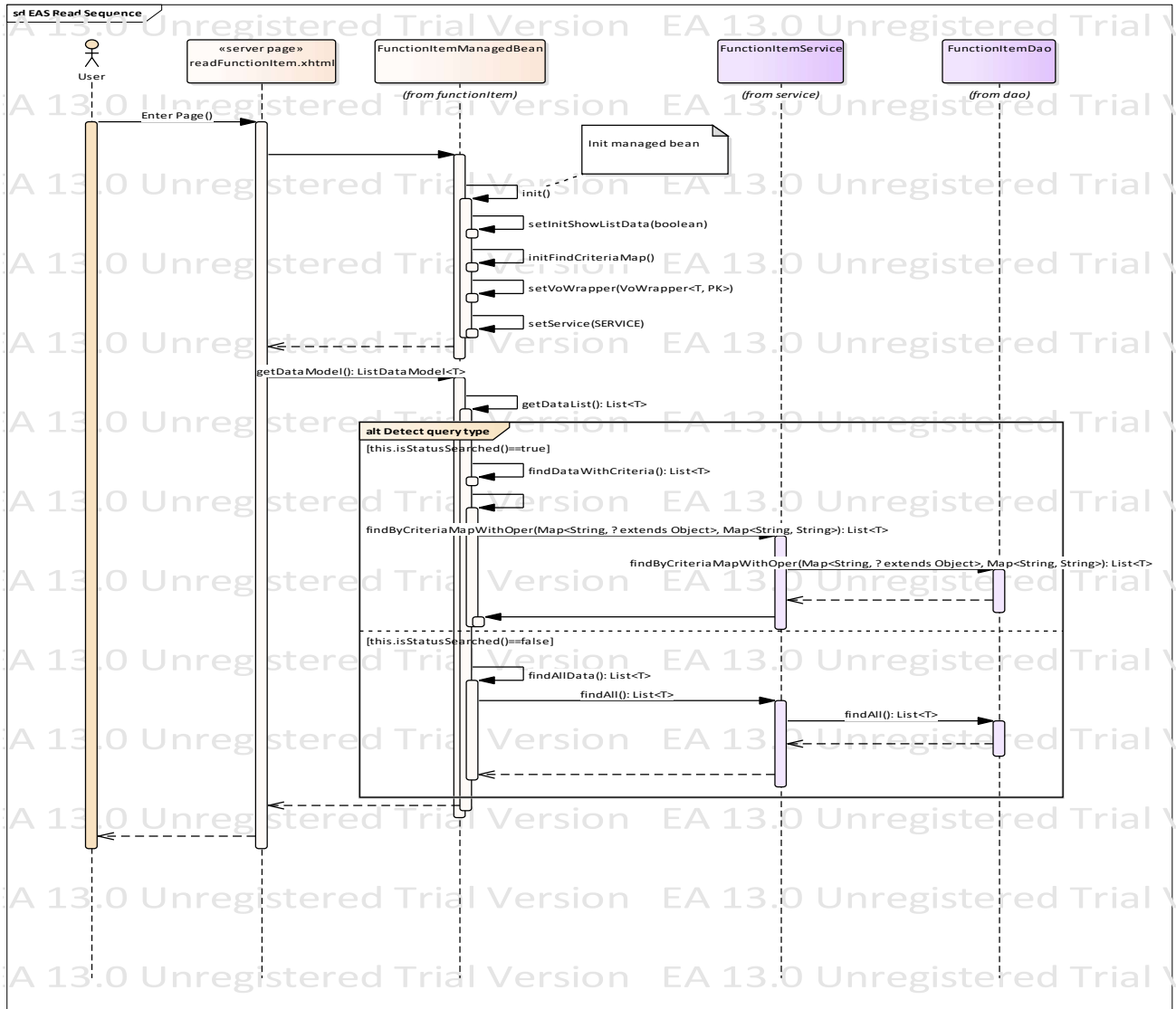
3.2 Create
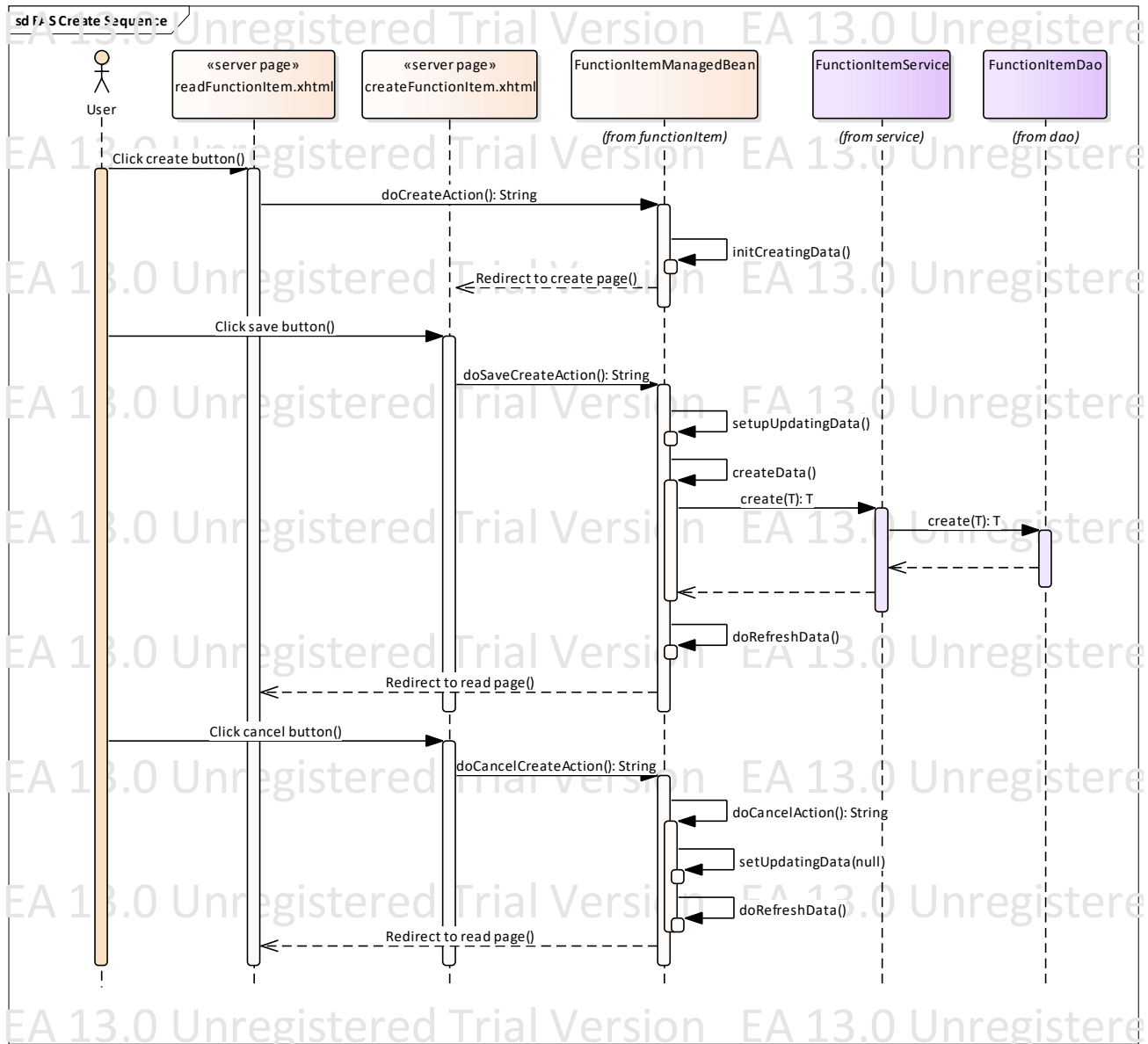
3.3 Update & Delete
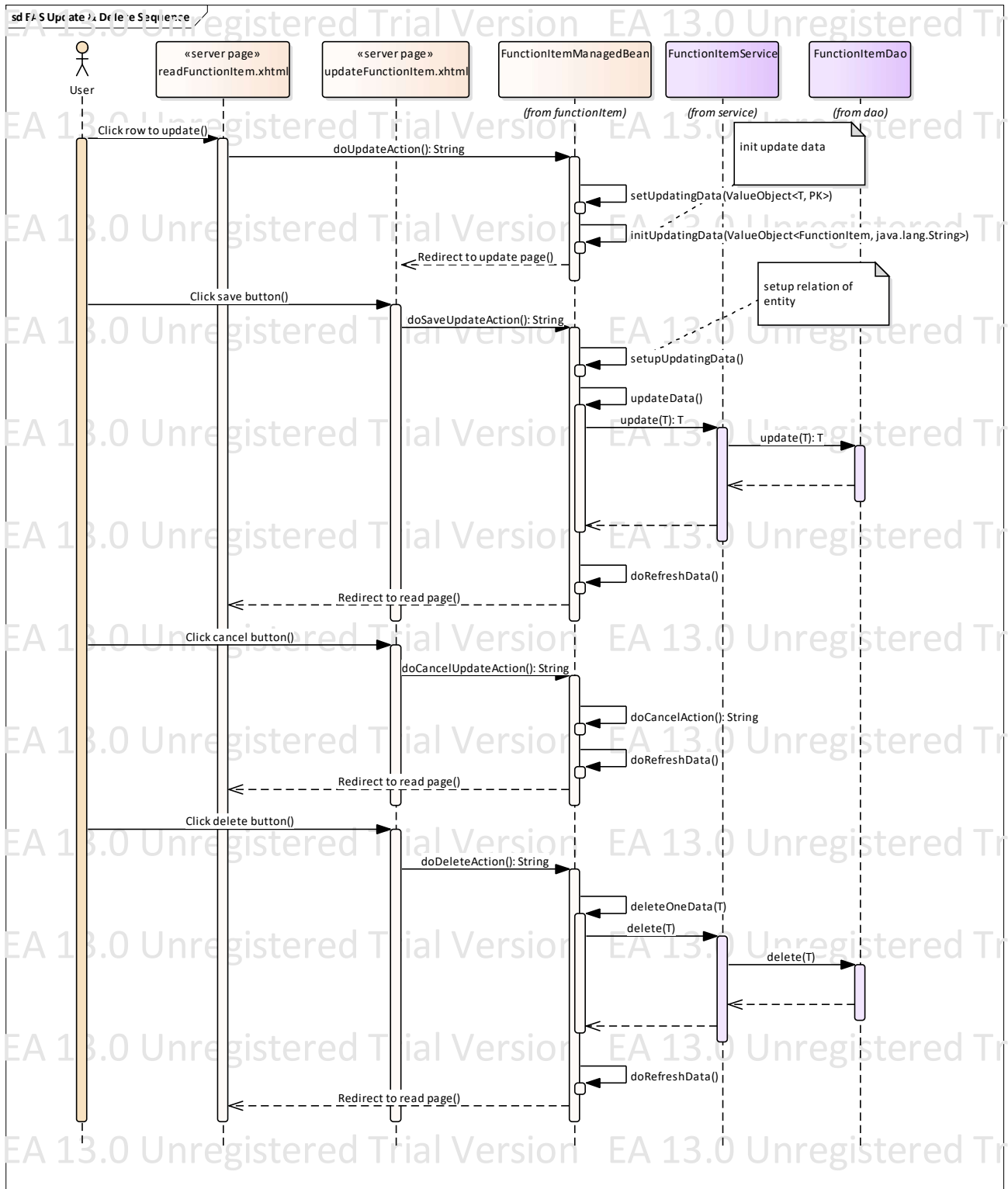
4. Function

4.1 Function item

Function item

Name		
Code		
URL		

Find(Alt+q) Create(Alt+c)

(1 of 1) |◄ ◄◄ **1** ►► ►| 25 ▼

ID ⇕	Name ⇕	Code ⇕	URL ⇕
10000001-0000-0000-0000-000000000000	BackOffice	default	/default.jsf
10000001-0000-0000-0000-000000000001	Query function item	query	/kernel/item/readItem.jsf
10000001-0000-0000-0000-000000000002	Create function item	create	/kernel/item/createItem.jsf
10000001-0000-0000-0000-000000000003	Update function item	update	/kernel/item/updateItem.jsf
10000001-0000-0000-0000-000000000004	Delete function item	delete	/kernel/item/updateItem.jsf
10000001-0000-0000-0000-000000000005	Query function	query	/kernel/function/readFunction.jsf
10000001-0000-0000-0000-000000000006	Create function	create	/kernel/function/createFunction.jsf
10000001-0000-0000-0000-000000000007	Update function	update	/kernel/function/updateFunction.jsf
10000001-0000-0000-0000-000000000008	Delete function	delete	/kernel/function/updateFunction.jsf
10000001-0000-0000-0000-000000000009	Query group	query	/kernel/group/readGroup.jsf
10000001-0000-0000-0000-000000000010	Create group	create	/kernel/group/createGroup.jsf
10000001-0000-0000-0000-000000000011	Update group	update	/kernel/group/updateGroup.jsf
10000001-0000-0000-0000-000000000012	Delete group	delete	/kernel/group/updateGroup.jsf
10000001-0000-0000-0000-000000000013	Query user	query	/kernel/user/readUser.jsf
10000001-0000-0000-0000-000000000014	Create user	create	/kernel/user/createUser.jsf
10000001-0000-0000-0000-000000000015	Update user	update	/kernel/user/updateUser.jsf
10000001-0000-0000-0000-000000000016	Delete user	delete	/kernel/user/updateUser.jsf
10000001-0000-0000-0000-000000000017	Query module	query	/kernel/module/readModule.jsf
10000001-0000-0000-0000-000000000018	Create module	create	/kernel/module/createModule.jsf
10000001-0000-0000-0000-000000000019	Update module	update	/kernel/module/updateModule.jsf
10000001-0000-0000-0000-000000000020	Delete module	delete	/kernel/module/updateModule.jsf

(1 of 1) |◄ ◄◄ **1** ►► ►| 25 ▼

- Input find condition, click find button can find data.
- Click create button can create a function item data.
- Click Name can enter update page.

Function item-Create

ID	10569e6f-8b05-45fa-9a9a-6
Name	
Code	
URL	
Function	----- ▼

Save(Alt+s) Cancel(Alt+r)

- Input data and click save button can create a function item data.
- Click cancel button will go to query page.

Function item-Update

ID	10000001-0000-0000-0000
Name	Query function item
Code	query
URL	/kernel/item/readItem.jsf
Function	Function item Config ▼

Delete(Alt+d) Save(Alt+s) Cancel(Alt+r)

- Click delete button can delete the function item data.
- Input data and click save button can modify the function item date.
- Click cancel button will go to query page.

4.2 Function

Function

Name					
code					
Outcome					
	Find(Alt+q)	Create(Alt+c)			

(1 of 1) |◄ ◄◄ **1** ►► ►| 25 ▼

ID ⇕	Name ⇕	code ⇕	Outcome ⇕	Create date ⇕	Update date ⇕
10000002-0000-0000-0000-000000000001	ROOT	ROOT		2018/11/25	
10000002-0000-0000-0000-000000000002	Function item Config	functionItem	functionItem	2018/11/25	
10000002-0000-0000-0000-000000000003	Function Config	function	function	2018/11/25	
10000002-0000-0000-0000-000000000004	Group Config	group	group	2018/11/25	
10000002-0000-0000-0000-000000000005	User Config	user	user	2018/11/25	
10000002-0000-0000-0000-000000000006	Module Config	module	module	2018/11/25	

(1 of 1) |◄ ◄◄ **1** ►► ►| 25 ▼

- Input find condition, click find button can find data.
- Click create button can create a function data.
- Click Name can enter update page.

Function-Create

ID	87ab04b1-0fc4-469a-a347-
Name	
code	
Outcome	
Module	----- ▼

Save(Alt+s)　Cancel(Alt+r)

- Input data and click save button can create a function data.
- Click cancel button will go to query page.

Function-Update

ID	10000002-0000-0000-0000
Name	Function item Config
code	functionItem
Outcome	functionItem
Module	Management Module ▾

Delete(Alt+d) Save(Alt+s) Cancel(Alt+r)

- Click delete button can delete the function data.
- Input data and click save button can modify the function date.
- Click cancel button will go to query page.

4.3 Group

Group

Name	
Code	

Find(Alt+q) Create(Alt+c)

(1 of 1)	⏮ ◀ **1** ▶▶ ⏭	25 ▾

ID ⇕	Name ⇕	Code ⇕
10000005-0000-0000-0000-000000000001	Management	MANAGE

(1 of 1)	⏮ ◀ **1** ▶▶ ⏭	25 ▾

- Input find condition, click find button can find data.
- Click create button can create a group data.
- Click Name can enter update page.

Group-Create

ID	5fe37d7e-1d78-4274-83cd-
Name	
Code	

Group function

ID	Name			
ROOT	☐ BackOffice			
Function item Config	☐ Delete function item	☐ Update function item	☐ Create function item	☐ Query function item
Function Config	☐ Delete function	☐ Update function	☐ Create function	☐ Query function
Group Config	☐ Query group	☐ Update group	☐ Create group	☐ Delete group
User Config	☐ Update user	☐ Create user	☐ Query user	☐ Delete user
Module Config	☐ Delete module	☐ Update module	☐ Create module	☐ Query module

Save(Alt+s)　Cancel(Alt+r)

- Input data and click save button can create a group data.
- Click cancel button will go to query page.

Group-Update

ID	10000005-0000-0000-0000
Name	Management
Code	MANAGE

Group function

ID	Name			
ROOT	✔ BackOffice			
Function item Config	✔ Delete function item	✔ Update function item	✔ Create function item	✔ Query function item
Function Config	✔ Delete function	✔ Update function	✔ Create function	✔ Query function
Group Config	✔ Query group	✔ Update group	✔ Create group	✔ Delete group
User Config	✔ Update user	✔ Create user	✔ Query user	✔ Delete user
Module Config	✔ Delete module	✔ Update module	✔ Create module	✔ Query module

Delete(Alt+d)　Save(Alt+s)　Cancel(Alt+r)

- Click delete button can delete the group data.
- Input data and click save button can modify the group date.
- Click cancel button will go to query page.

4.4 User

User

Name						
E-Mail						
Account						
Find(Alt+q)	Create(Alt+c)					

	(1 of 1)	◄	◄◄	**1**	►►	►◄	25 ▼		
ID ⇕	Name ⇕	E-Mail ⇕	Account ⇕	Enable ⇕	Create date ⇕	Update date ⇕
10000006-0000-0000-0000-000000000001	ADMIN	abc@sample.com	ADMIN	true	2018/11/25	
	(1 of 1)	◄	◄◄	**1**	►►	►◄	25 ▼		

- Input find condition, click find button can find data.
- Click create button can create a user data.
- Click Name can enter update page.

User-Create

ID	165dcac8-0c2c-4387-bf94-5
Name	
Password	
E-Mail	
Account	
Enable	☐

Group

	ID	Name
☐		
☐	10000005-0000-0000-0000-000000000001	Management

Save(Alt+s)	Cancel(Alt+r)

- Input data and click save button can create a user data.
- Click cancel button will go to query page.

User-Update

ID	10000006-0000-0000-0000
Name	ADMIN
Password	••••••••
E-Mail	abc@sample.com
Account	ADMIN
Enable	✔

Group

✔	ID	Name
✔	10000005-0000-0000-0000-000000000001	Management

Delete(Alt+d)   Save(Alt+s)   Cancel(Alt+r)

- Click delete button can delete the user data
- Input data and click save button can modify the user date
- Click cancel button will go to query page

4.5 Module

Module

Name	
Code	

Find(Alt+q)   Create(Alt+c)

	(1 of 1) ⏮ ◀ **1** ▶ ⏭ 25 ▼	
id ⇕	Name ⇕	Code ⇕
10000003-0000-0000-0000-000000000001	Management Module	SYSTEM
	(1 of 1) ⏮ ◀ **1** ▶ ⏭ 25 ▼	

- Input find condition, click find button can find data.
- Click create button can create a module data.
- Click Name can enter update page.

Module-Create

id	11aeda1f-8d54-4a4b-bfcb-9
Name	
Code	

Function

	ID	Name
☐	10000002-0000-0000-0000-000000000001	ROOT
☐	10000002-0000-0000-0000-000000000002	Function item Config
☐	10000002-0000-0000-0000-000000000003	Function Config
☐	10000002-0000-0000-0000-000000000004	Group Config
☐	10000002-0000-0000-0000-000000000005	User Config
☐	10000002-0000-0000-0000-000000000006	Module Config

Save(Alt+s)　Cancel(Alt+r)

- Input data and click save button can create a module data.
- Click cancel button will go to query page.

Module-Update

id	10000003-0000-0000-0000
Name	Management Module
Code	SYSTEM

Function

	ID	Name
☐	10000002-0000-0000-0000-000000000001	ROOT
☑	10000002-0000-0000-0000-000000000002	Function item Config
☑	10000002-0000-0000-0000-000000000003	Function Config
☑	10000002-0000-0000-0000-000000000004	Group Config
☑	10000002-0000-0000-0000-000000000005	User Config
☑	10000002-0000-0000-0000-000000000006	Module Config

Delete(Alt+d)　Save(Alt+s)　Cancel(Alt+r)

- Click delete button can delete the module data.
- Input data and click save button can modify the module date.
- Click cancel button will go to query page.

5. Others

5.1 application.properties

There are some options of whole system in application.properties.

- project.dataTableRows default value is 25，this can control how many rows show in the dataTable of query page
- project.devMode default value is EAS, this is identifier of system.
- project.mailFrom plan for the email address of mail sender.
- project.rowsOfPerPage default value is 25，this can control the drop down list to show how many rows in the dataTable of query page.
- project.timeZone default value is Asia/Taipei, this can control system show time zone.
- project.secret use for setting the secret of PasswordEncoder