

# HSU Enterprise Application Stack Portal Suite (HSU EAS Portal Suite)

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MANUAL

Marvin  
HSU FORUM  
VERSION 2.0.0

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# 1. Introduction

HSU Enterprise Application Stack Portal Suite(HSU EAS Portal Suite) , 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 and Hibernate(JPA). The goal of EAS Portal Suite provide centralized authorization management and applications portal. HSU Common is common library, HSU EASPortal is main portal , HSU EASPortalM is management module , HSU JavaJSFTemplate is demo jsf template java project. Default account and password is admin and abcd12341!

- Support language is Traditional Chinese, Simple Chinese and English
- Support DB is DB2 、 Oracle 、 SQL Server 、 PostgreSQL and MySQL
- Support AP Server is Tomcat, and Jetty .
- HSU Common Git Hub download address is <https://github.com/MarvinHsu/HSUCommon>
- HSU EASPortal Git Hub download address is <https://github.com/MarvinHsu/EASPortal>
- HSU EASPortalM Git Hub download address is 為 <https://github.com/MarvinHsu/EASPortalM>
- HSU EASJavaJSFTemplate Git Hub download address is <https://github.com/MarvinHsu/EASJavaJSFTemplate>
- 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

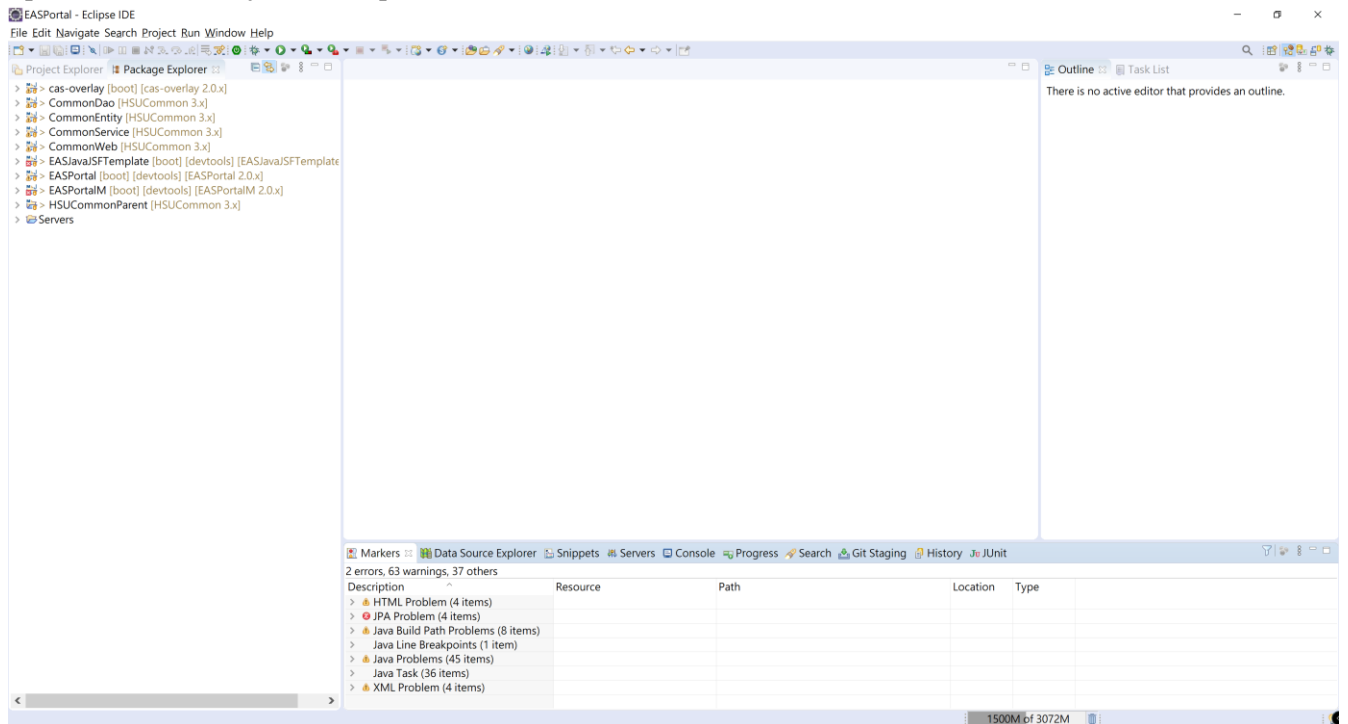
1. Create AD account admin and password abcd12341!
2. Modify AD config in application.properties of cas-overlay

```














112 #
113 cas.authn.accept-users=
114
115 cas.server.name=https://localhost:9443
116 cas.server.prefix=https://localhost:9443/cas
117 cas.host.name=localhost
118
119 # LDAP Auth
120 cas.authn.ldap[0].type=AD
121
122 cas.authn.ldap[0].ldapUrl=ldap://192.168.0.1
123 cas.authn.ldap[0].useSsl=false
124 cas.authn.ldap[0].useStartTls=false
125 # cas.authn.ldap[0].connectTimeout=5000
126 cas.authn.ldap[0].searchFilter=sAMAccountName={user}
127 cas.authn.ldap[0].baseDn=dc=sample,dc=com
128 cas.authn.ldap[0].allowMissingPrincipalAttributeValue=true
129 cas.authn.ldap[0].subtreeSearch=true
130 # cas.authn.ldap[0].usePasswordPolicy=true
131 cas.authn.ldap[0].bindDn=cn=LDAPService,cn=Users,dc=sample,dc=com
132 cas.authn.ldap[0].bindCredential=Happygo1!
133
134 # cas.authn.ldap[0].poolPassivator=NONE|CLOSE|BIND
135 # cas.authn.ldap[0].enhanceWithEntryResolver=true
136 cas.authn.ldap[0].dnFormat=cn=%s,cn=Users,dc=sample,dc=com
137 cas.authn.ldap[0].principalAttributeId=sAMAccountName
138 # cas.authn.ldap[0].principalAttributePassword
139 # Give an attribute list released from LDAP to CAS, could be used with attributeRepository.defaultAttributesToRelease to be visible on CAS P3 serviceValidate
140 cas.authn.ldap[0].principalAttributeList=sAMAccountName,sn,cn,givenName,displayName,memberOf
141 cas.authn.ldap[0].allowMultiplePrincipalAttributeValues=true
142 # cas.authn.ldap[0].additionalAttributes=
143 # cas.authn.ldap[0].credentialCriteria=
144
145 # cas.authn.ldap[0].saslMechanism=GSSAPI|DIGEST_MD5|CRAM_MD5|EXTERNAL
146 # cas.authn.ldap[0].saslRealm=EXAMPLE.COM
147 # cas.authn.ldap[0].saslAuthorizationId=
148 # cas.authn.ldap[0].saslMutualAuth=
149 # cas.authn.ldap[0].saslQualityOfProtection=
150 # cas.authn.ldap[0].saslSecurityStrength=
151
152 # cas.authn.ldap[0].trustCertificates=
153 # cas.authn.ldap[0].keystore=
154 # cas.authn.ldap[0].keystorePassword=
155 # cas.authn.ldap[0].keystoreType=JKS|JCEKS|PKCS12
156
157 # cas.authn.ldap[0].minPoolSize=3
158 # cas.authn.ldap[0].maxPoolSize=10

```

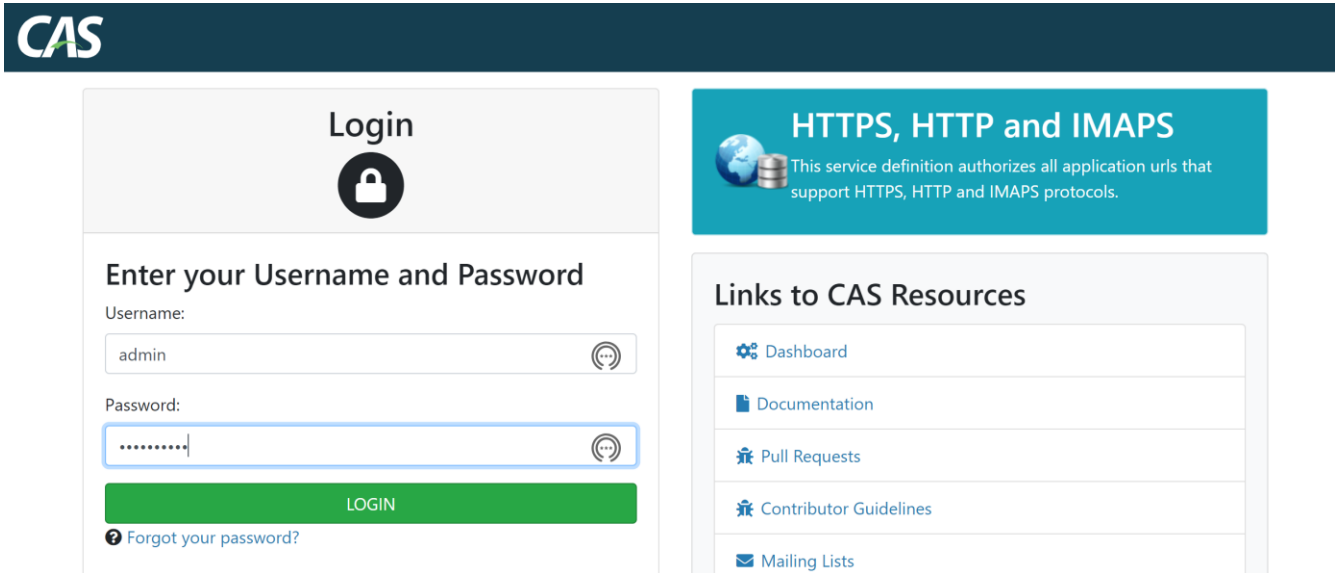
### 3. Import Git Maven Project in Eclipse



### 4. Depend your DB environment to execute DB Schema SQL and DB Init Data SQL.

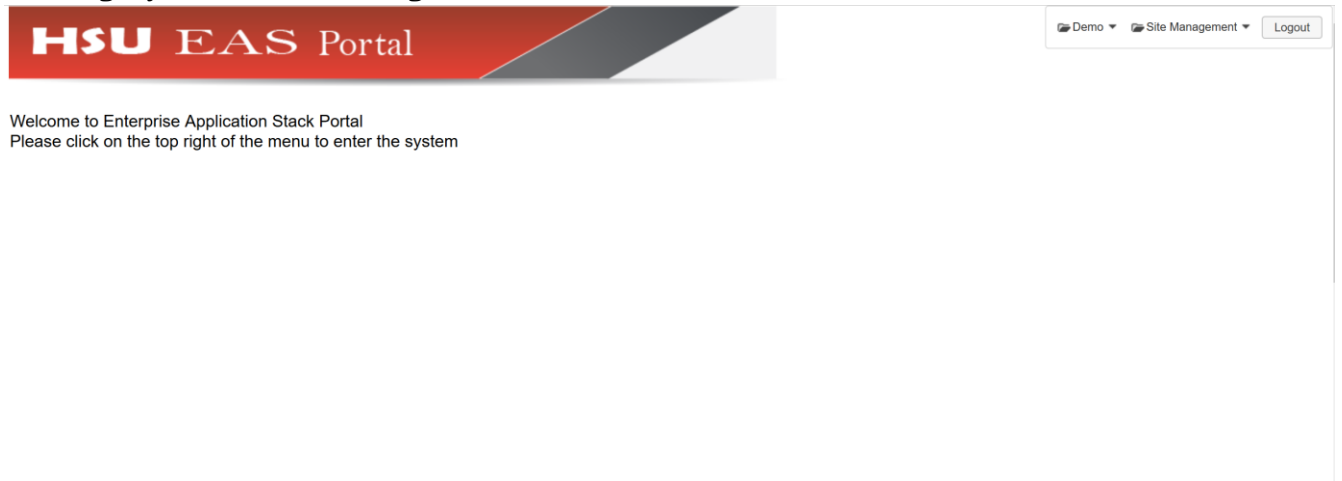
- ▼  DB Init Data SQL
  -  Init\_Portal\_Data\_chs.sql
  -  Init\_Portal\_Data\_chs\_PostgreSQL.sql
  -  Init\_Portal\_Data\_cht.sql
  -  Init\_Portal\_Data\_cht\_PostgreSQL.sql
  -  Init\_Portal\_Data\_en.sql
  -  Init\_Portal\_Data\_en\_PostgreSQL.sql
- ▼  DB Schema SQL
  -  DB2 Schema.sql
  -  MySQL Schema.sql
  -  Oracle Schema.sql
  -  PostgreSQL Schema.sql
  -  SQL Server Schema.sql

5. Start AP Server and brows default page. Default account and password is admin and abcd1234!



The image shows the CAS (Central Authentication Service) login interface. At the top, there is a dark blue header with the 'CAS' logo. Below the header, the page is divided into two main sections. The left section is titled 'Login' and features a large padlock icon. It contains a form with the heading 'Enter your Username and Password'. The 'Username' field is pre-filled with 'admin'. The 'Password' field is masked with dots. Below the password field is a green 'LOGIN' button and a link for 'Forgot your password?'. The right section is titled 'HTTPS, HTTP and IMAPS' and contains a message: 'This service definition authorizes all application urls that support HTTPS, HTTP and IMAPS protocols.' Below this, there is a 'Links to CAS Resources' section with a list of links: 'Dashboard', 'Documentation', 'Pull Requests', 'Contributor Guidelines', and 'Mailing Lists'.

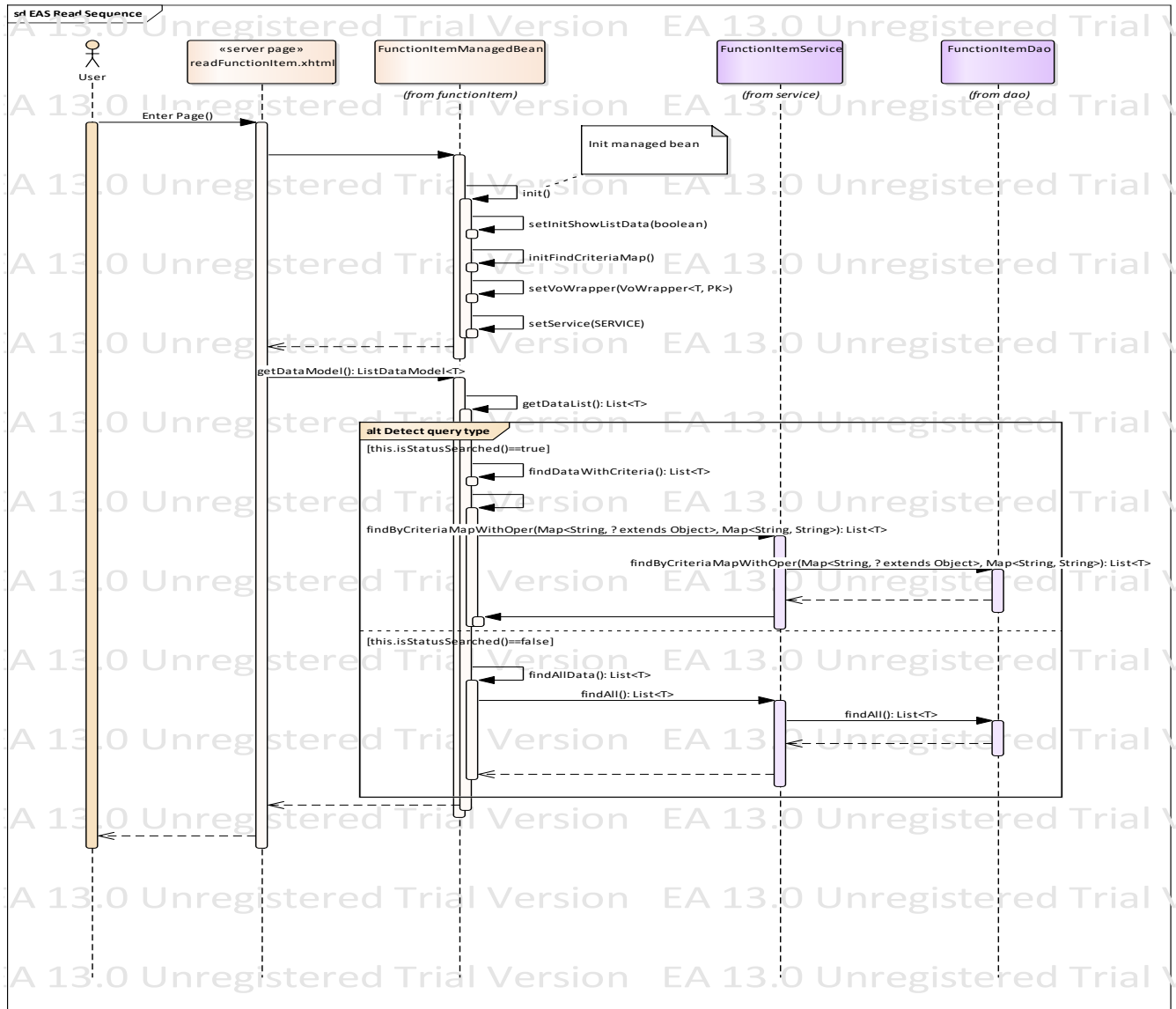
6. After login you can use the manage function



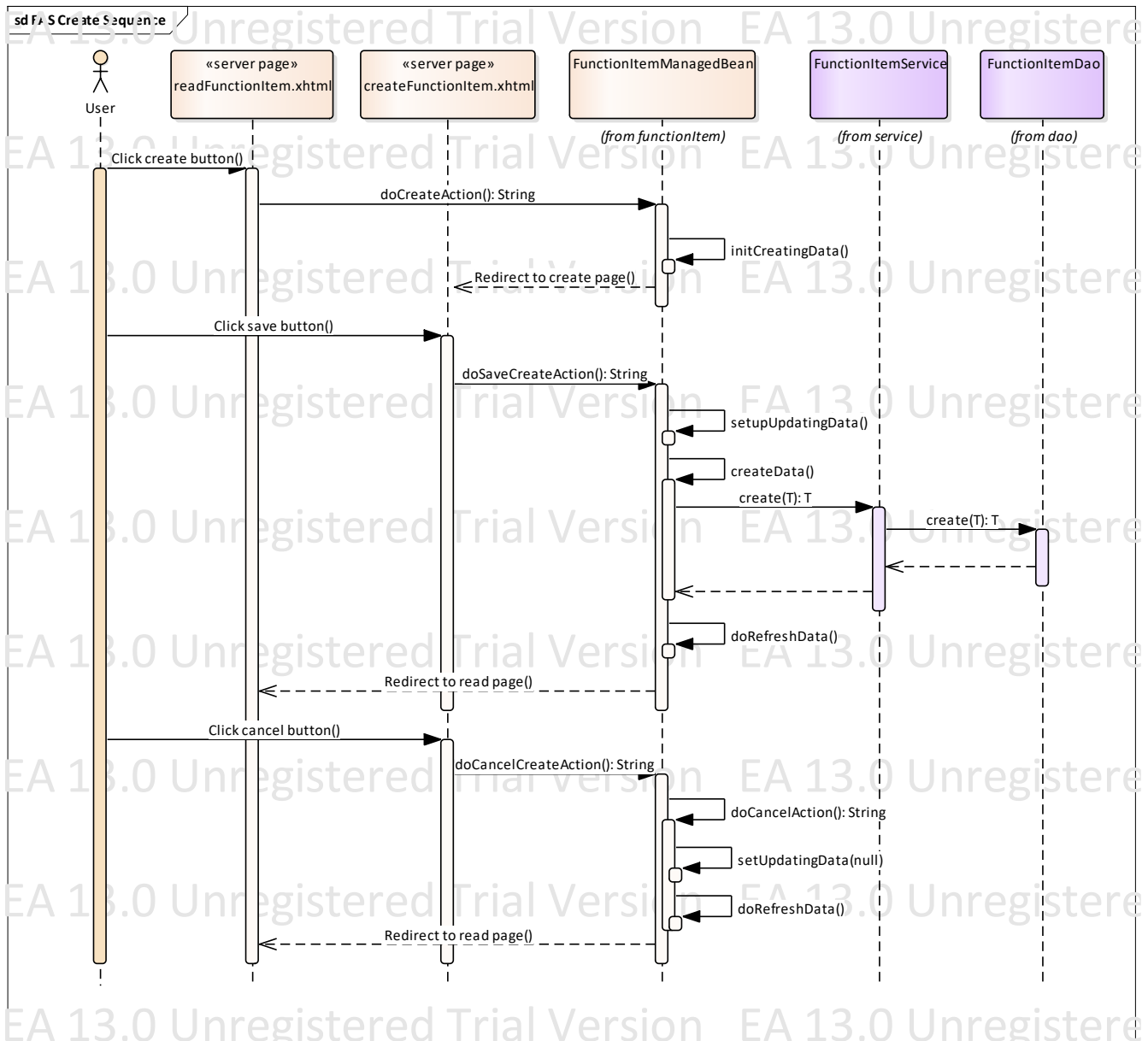
The image shows the HSU EAS Portal home page. At the top, there is a red header with the 'HSU EAS Portal' logo. Below the header, there is a white area with the text: 'Welcome to Enterprise Application Stack Portal' and 'Please click on the top right of the menu to enter the system'. In the top right corner, there is a navigation bar with three items: 'Demo', 'Site Management', and 'Logout'.

## 3. CRUD sequence machanism

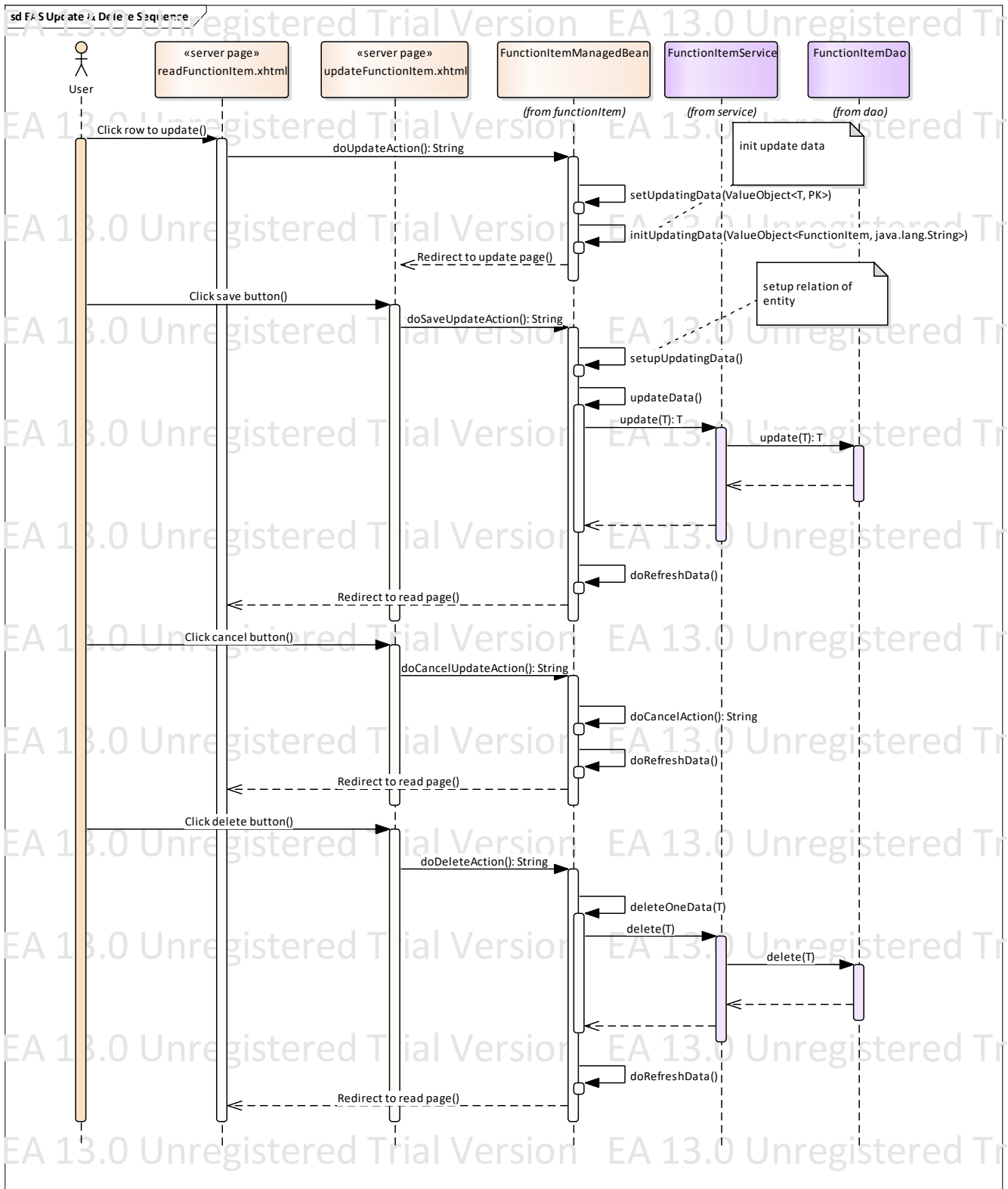
### 3.1 Query



## 3.2 Create



### 3.3 Update & Delete





## 4. Function

### 4.1 Category

#### Category

Name	<input type="text"/>
Code	<input type="text"/>
Sequence	<input type="text"/>
<input type="button" value="Find(Alt+q)"/> <input type="button" value="Create(Alt+c)"/>	

(1 of 1) <span>1</span> 25 ▼			
ID ↕	Name ↕	Code ↕	Sequence ↕
<u>10000007-0000-0000-0000-000000000001</u>	<u>Demo</u>	DEMO	0
<u>10000007-0000-0000-0000-000000000002</u>	<u>Site Management</u>	ADMIN	1
(1 of 1) <span>1</span> 25 ▼			

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

#### Category-Create

ID	cc4172bd-7d50-4159-8847-
Name	<input type="text"/>
Code	<input type="text"/>
Sequence	<input type="text" value="0"/>

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

#### Category-Update

ID	10000007-0000-0000-0000
Name	Site Management
Code	ADMIN
Sequence	<input type="text" value="1"/>

- Click delete button can delete the category data.
- Input data and click save button can modify the category date.

- Click cancel button will go to query page.

## 4.2 System

### System

Name

Sequence

Code

URL

Find(Alt+q)

Create(Alt+c)

ID	Name	Code	Sequence	URL	Open Window
10000008-0000-0000-0000-000000000001	Yahoo	YAHOO	0	https://www.yahoo.com	true
10000008-0000-0000-0000-000000000002	Google	GOOGLE	1	https://www.google.com	true
10000008-0000-0000-0000-000000000003	Management	EASPortalIM	2	https://localhost:8443/EAS/	false
10000008-0000-0000-0000-000000000004	Java JSF Template System	EASJavaJSFTemplate	3	https://localhost:8443/EAS/	false

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

## System-Create

ID

a7134fdd-8ea0-4bc0-abef-2

Name

Code

Sequence

0

URL

Category

-----

Open Window

Save(Alt+s)

Cancel(Alt+r)

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

## System-Update

ID	10000008-0000-0000-0000
Name	Management
Code	EASPortalIM
Sequence	2
URL	https://localhost:8443/EASF
Category	Site Management ▼
Open Window	<input type="checkbox"/>

Delete(Alt+d)

Save(Alt+s)

Cancel(Alt+r)

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

## 4.3 Function item

### Function item

Name	<input type="text"/>
Code	<input type="text"/>
URL	<input type="text"/>
<div>Find(Alt+q) Create(Alt+c)</div>	

(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.

## 4.4 Function

### Function

Name	
code	
Outcome	
Sequence	

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

(1 of 1) 1 25						
ID	Name	code	Outcome	Sequence	Create date	Update date
10000002-0000-0000-0000-000000000007	Category Config	category	category	1	2018/11/25	
10000002-0000-0000-0000-000000000010	Detail	detail	detail	2	2018/11/25	
10000002-0000-0000-0000-000000000003	Function Config	function	function	4	2018/11/25	
10000002-0000-0000-0000-000000000002	Function item Config	functionItem	functionItem	3	2018/11/25	
10000002-0000-0000-0000-000000000004	Group Config	group	group	5	2018/11/25	
10000002-0000-0000-0000-000000000011	Many1	many1	many1	3	2018/11/25	
10000002-0000-0000-0000-000000000009	Master	master	master	1	2018/11/25	
10000002-0000-0000-0000-000000000006	Module Config	module	module	7	2018/11/25	
10000002-0000-0000-0000-000000000001	ROOT	ROOT		0	2018/11/25	
10000002-0000-0000-0000-000000000008	System Config	system	system	2	2018/11/25	
10000002-0000-0000-0000-000000000005	User Config	user	user	6	2018/11/25	

- 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	<input type="text" value="a37a844b-4081-4249-8166"/>
Name	<input type="text"/>
code	<input type="text"/>
Sequence	<input type="text" value="0"/>
Outcome	<input type="text"/>
System	<input type="text" value="----"/> ▼
Module	<input type="text" value="----"/> ▼

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

## Function-Update

ID	<input type="text" value="10000002-0000-0000-0000"/>
Name	<input type="text" value="Function item Config"/>
code	<input type="text" value="functionItem"/>
Sequence	<input type="text" value="3"/>
Outcome	<input type="text" value="functionItem"/>
System	<input type="text" value="Management"/> ▼
Module	<input type="text" value="System Management Module"/> ▼

- 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.

## 4.5 Group

### Group

Name

Code

System

-----

Find(Alt+q)

Create(Alt+c)

(1 of 1)

1

25

ID	Name	Code	System
<a href="#">10000005-0000-0000-0000-000000000001</a>	<a href="#">Management</a>	MANAGE	Management
<a href="#">10000005-0000-0000-0000-000000000002</a>	<a href="#">Yahoo Group</a>	YahooGroup	Yahoo
<a href="#">10000005-0000-0000-0000-000000000003</a>	<a href="#">Google Group</a>	GoogleGroup	Google
<a href="#">10000005-0000-0000-0000-000000000004</a>	<a href="#">Demo Group</a>	DemoGroup	Java JSF Template System

(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

cc381ebc-b7ae-4e84-aa2b-

Name

Code

System

-----

Group function

ID

Name

No records found.

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	Demo Group
Code	DemoGroup
System	Java JSF Template System

Group function				
ID	Name			
Detail	<input checked="" type="checkbox"/> Query detail	<input checked="" type="checkbox"/> Delete detail	<input checked="" type="checkbox"/> Update detail	<input checked="" type="checkbox"/> Create detail
Many1	<input checked="" type="checkbox"/> Delete many1	<input checked="" type="checkbox"/> Query many1	<input checked="" type="checkbox"/> Update many1	<input checked="" type="checkbox"/> Create many1
Master	<input checked="" type="checkbox"/> Delete master	<input checked="" type="checkbox"/> Update master	<input checked="" type="checkbox"/> Create master	<input checked="" type="checkbox"/> Query master

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.

## 4.6 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
<u>10000006-0000-0000-0000-000000000001</u>	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	aae877f7-3e30-4f71-9d26-i
Name	
E-Mail	
Account	
Enable	<input type="checkbox"/>

Group		
<input type="checkbox"/>	ID	Name
<input type="checkbox"/>	10000005-0000-0000-0000-000000000001	Management
<input type="checkbox"/>	10000005-0000-0000-0000-000000000002	Yahoo Group
<input type="checkbox"/>	10000005-0000-0000-0000-000000000003	Google Group
<input type="checkbox"/>	10000005-0000-0000-0000-000000000004	Demo Group

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	10000006-0000-0000-0000-0000
Name	ADMIN
E-Mail	abc@sample.com
Account	ADMIN
Enable	<input checked="" type="checkbox"/>

Group		
<input checked="" type="checkbox"/>	ID	Name
<input checked="" type="checkbox"/>	10000005-0000-0000-0000-000000000001	Management
<input checked="" type="checkbox"/>	10000005-0000-0000-0000-000000000002	Yahoo Group
<input checked="" type="checkbox"/>	10000005-0000-0000-0000-000000000003	Google Group
<input checked="" type="checkbox"/>	10000005-0000-0000-0000-000000000004	Demo Group

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

## 4.7 Module

### Module

Name	<input type="text"/>
Code	<input type="text"/>
Sequence	<input type="text"/>
System	<input type="text" value="----"/> ▼
<input type="button" value="Find(Alt+q)"/> <input type="button" value="Create(Alt+c)"/>	

(1 of 1) 1 25 ▼				
ID ↕	Name ↕	Code ↕	Sequence ↕	System ↕
<a href="#">10000003-0000-0000-0000-000000000002</a>	Demo Module	DEMO	1	Java JSF Template System
<a href="#">10000003-0000-0000-0000-000000000001</a>	System Management Module	SYSTEM	1	Management
(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	<input type="text" value="5aed3997-6c9c-4793-91c8-"/>
Name	<input type="text"/>
Code	<input type="text"/>
Sequence	<input type="text" value="0"/>
System	<input type="text" value="----"/> ▼

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

### Module-Update

ID	<input type="text" value="10000003-0000-0000-0000-"/>
Name	<input type="text" value="System Management Modu"/>
Code	<input type="text" value="SYSTEM"/>
Sequence	<input type="text" value="1"/>
System	<input type="text" value="Management"/> ▼

- 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 default-faces-config.xml

There are some options of whole system in default-faces-config.xml.

- systemCode default value is EAS, this is identifier of system.
- devMode default value is true, this can control ID column show or not show in query page.
- rowsOfPerPage default value is 25, this can control how many rows show in one page.
- timeZone default value is Asia/Taipei, this can control system show time zone.