

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

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MANUAL

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VERSION 1.0.0

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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, Hibernate(JPA) and Spring Security. 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, JBoss WildFly and JBoss EAP 。
- 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>
- Demo war file download address (Google Drive) is <https://drive.google.com/drive/folders/0B2s05eiH2k6CYXJ0LTmNVBUVXM>
- Tomcat please setup jndi datasource name jndi/EASPDS 、 jndi/EASTDS 、 jndi/CASDS, the user of jndi/CASDS must have create, drop, modify table right
- JBoss please setup jndi datasource name java:/EASPXADS 、 java:/EASTXADS 、 java:/CASPXADS, the user of jndi/ CASPXADS must have create, drop, modify table right
- Support Java AP Server

Java AP Server	Version
Tomcat	7+
JBoss EAP	7+
JBoss WildFly	10+

- Support Data Base

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

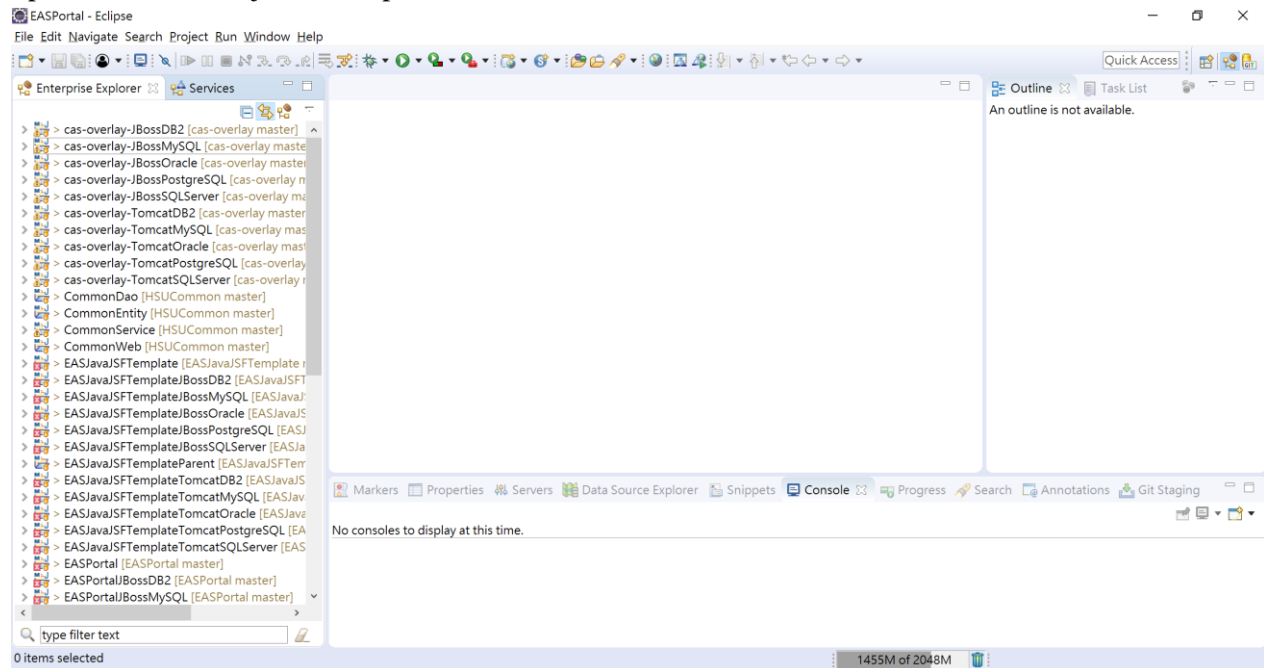
## 2. Using steps

1. Create AD account admin and password abcd12341!











## 2. Modify AD config in application.properties of cas-overlay

```
107 cas.authn.ldap[0].ldapUrl=ldap://192.168.0.1
108 cas.authn.ldap[0].useSsl=false
109 cas.authn.ldap[0].useStartTls=false
110 # cas.authn.ldap[0].connectTimeout=5000
111 cas.authn.ldap[0].baseDn=dc=sample,dc=com
112 cas.authn.ldap[0].userFilter=sAMAccountName={user}
113 cas.authn.ldap[0].allowMissingPrincipalAttributeValues=true
114 cas.authn.ldap[0].subtreeSearch=true
115 # cas.authn.ldap[0].usePasswordPolicy=true
116 cas.authn.ldap[0].bindDn=LDAPService@sample.com
117 cas.authn.ldap[0].bindCredential=Happygo1!
118
119 # cas.authn.ldap[0].poolPassivator=NONE|CLOSE|BIND
120 # cas.authn.ldap[0].enhanceWithEntryResolver=true
121 cas.authn.ldap[0].dnFormat=%s@sample.com
122 cas.authn.ldap[0].principalAttributeId=sAMAccountName
123 # cas.authn.ldap[0].principalAttributePassword
124 # Give an attribute list released from LDAP to CAS, could be used with attributeRepository.defaultAttributesToRelease to be visible on CAS P3 serviceVal
125 cas.authn.ldap[0].principalAttributeList=sAMAccountName,sn,cn,givenName,displayName,memberOf
126 cas.authn.ldap[0].allowMultiplePrincipalAttributeValues=true
127 # cas.authn.ldap[0].additionalAttributes=
128 # cas.authn.ldap[0].credentialCriteria=
129
130 # cas.authn.ldap[0].saslMechanism=GSSAPI|DIGEST_MD5|CRAM_MD5|EXTERNAL
131 cas.authn.ldap[0].saslRealm=EXAMPLE.COM
132 # cas.authn.ldap[0].saslAuthorizationId=
133 # cas.authn.ldap[0].saslMutualAuth=
134 # cas.authn.ldap[0].saslQualityOfProtection=
135 # cas.authn.ldap[0].saslSecurityStrength=
136
137 # cas.authn.ldap[0].trustCertificates=
138 # cas.authn.ldap[0].keyStores=
```

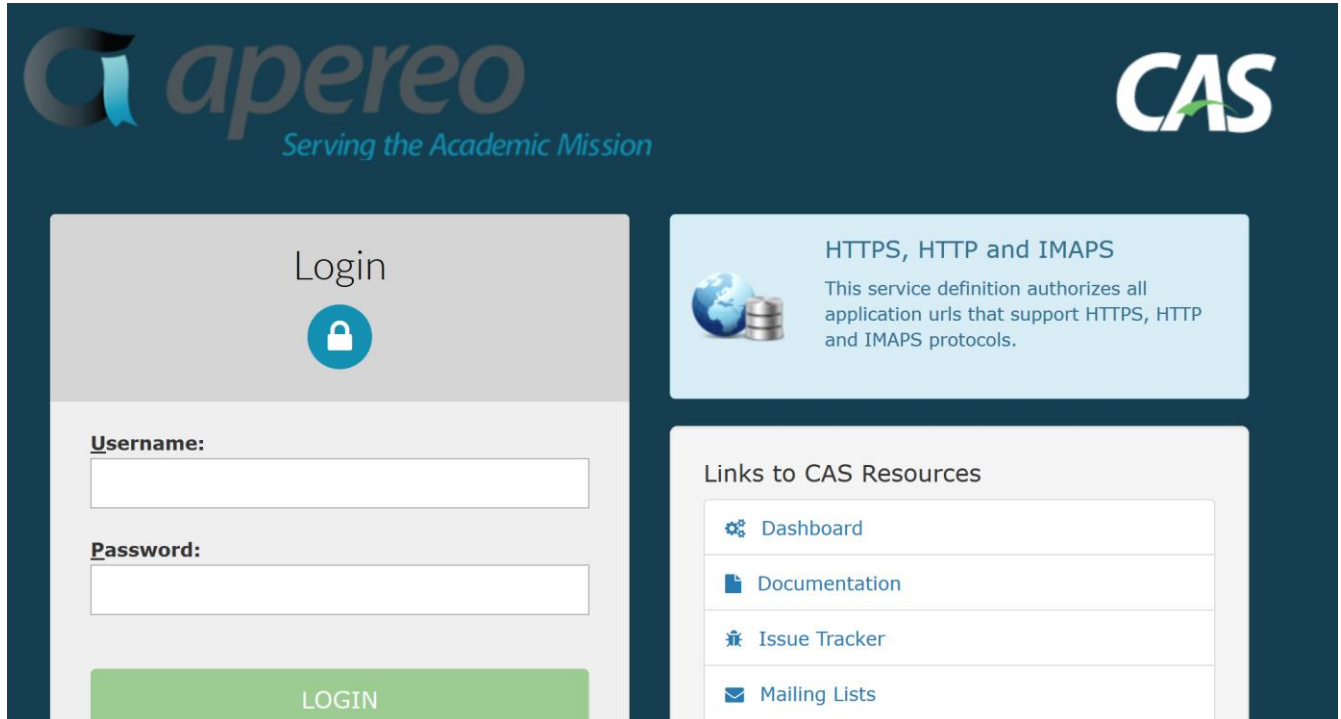
## 3. Import Git Maven Project in Eclipse



## 4. Depend your DB environment to execute DB Schema SQL and DB Init Data SQL. The DB Schema SQL and DB Init Data SQL of jndi/EASPDs and java:/EASPDs in EASPortal, The DB Schema SQL and DB Init Data SQL of jndi/EASTDS and java:/EASTXADS in EASJavaJSFTemplate.

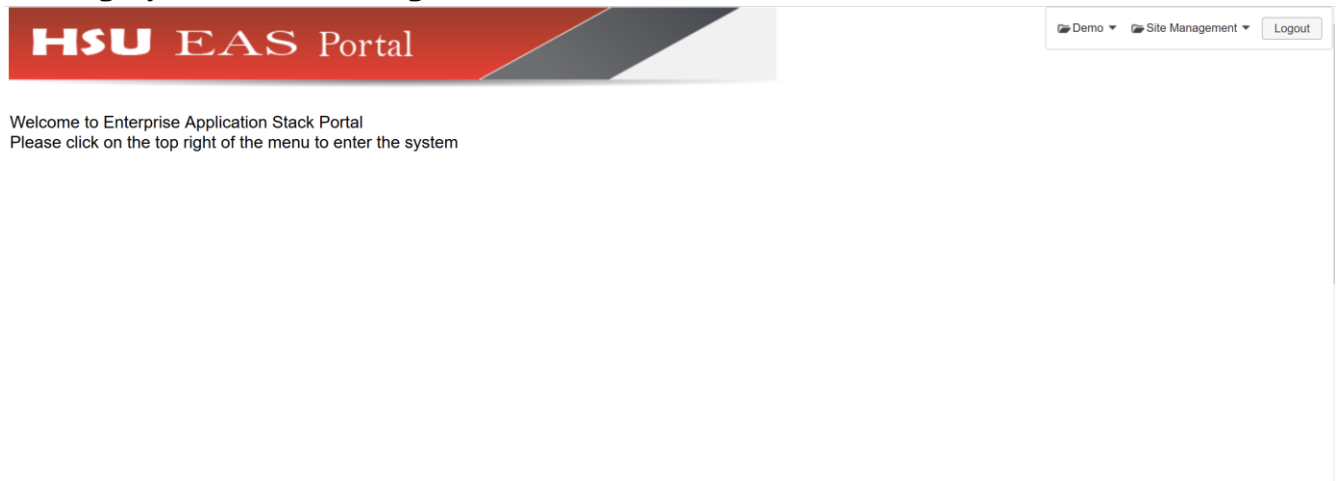
- ▼  DB Init Data SQL
  -  Init Data en.sql
  -  Init Data zh\_CN.sql
  -  Init Data zh\_TW.sql
- ▼  DB Schema SQL
  -  DB2 Schema.sql
  -  MySQL Schema.sql
  -  Oracle Schema.sql
  -  PostgreSQL Schema.sql
  -  SQL Server Schema.sql

5. Start AP Server and brows default page. Default account and password is admin and abcd12341!



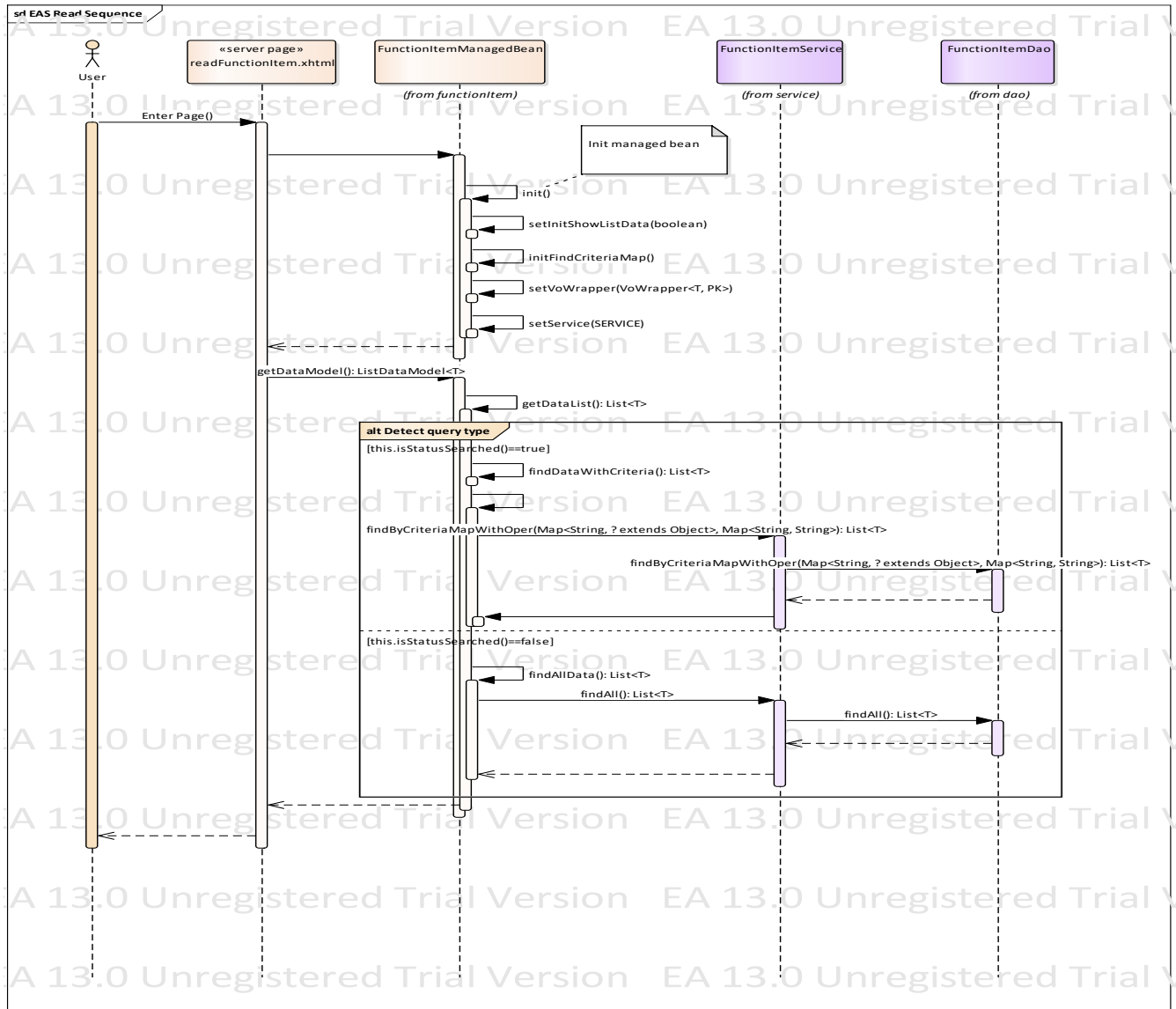
The image shows the Apereo CAS (Central Authentication Service) login page. The header features the Apereo logo with the tagline "Serving the Academic Mission" and the CAS logo. The main content area is divided into two columns. The left column contains a "Login" section with a lock icon, followed by input fields for "Username:" and "Password:", and a green "LOGIN" button. The right column contains a light blue box titled "HTTPS, HTTP and IMAPS" with a globe icon and text explaining service authorization, and a white box titled "Links to CAS Resources" containing links to "Dashboard", "Documentation", "Issue Tracker", and "Mailing Lists".

6. After login you can use the manage function

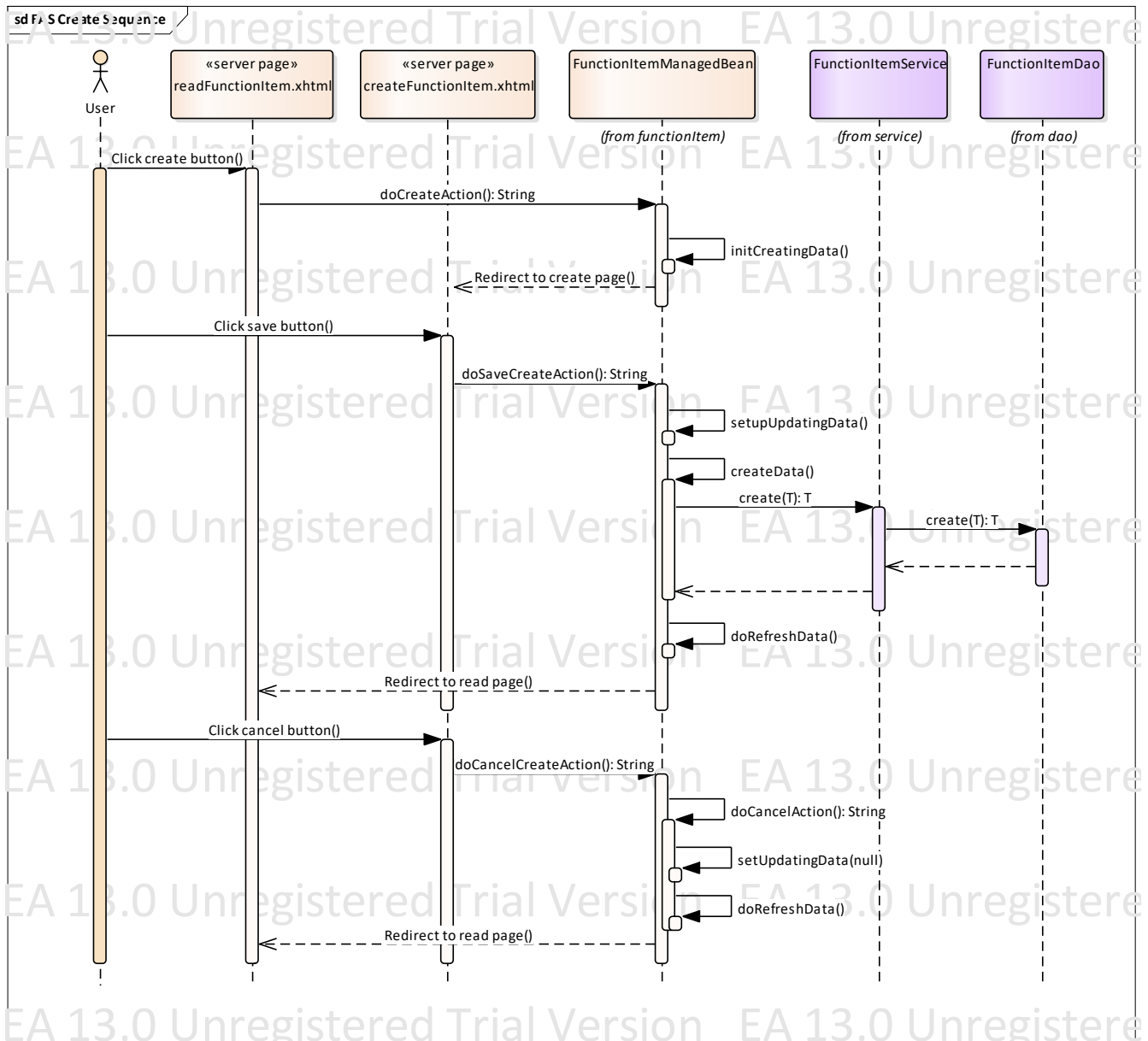


## 3. CRUD sequence machanism

### 3.1 Query



## 3.2 Create



### 3.3 Update & Delete

