

HSU Enterprise Application Stack(HSU EAS)

MANUAL

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HSU FORUM
VERSION 2.0.1

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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, 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. 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, JBoss WildFly, JBoss EAP and WebLogic °
- HSU Common Git Hub download address is <https://github.com/MarvinHsu/HSUCommon>
- HSU EAS Git Hub download address is <https://github.com/MarvinHsu/EAS>
- Demo war file download address (Google Drive) is <https://drive.google.com/drive/folders/0B2s05eiH2k6CYXJ0LTmNVBUVXM>

P.S. Tomcat please setup jndi datasource name jndi/EASDS. JBoss please setup jndi datasource name java:/EASXADS. Weblogic please setup jndi datasource name jndi/EASXADS

- Support Java AP Server

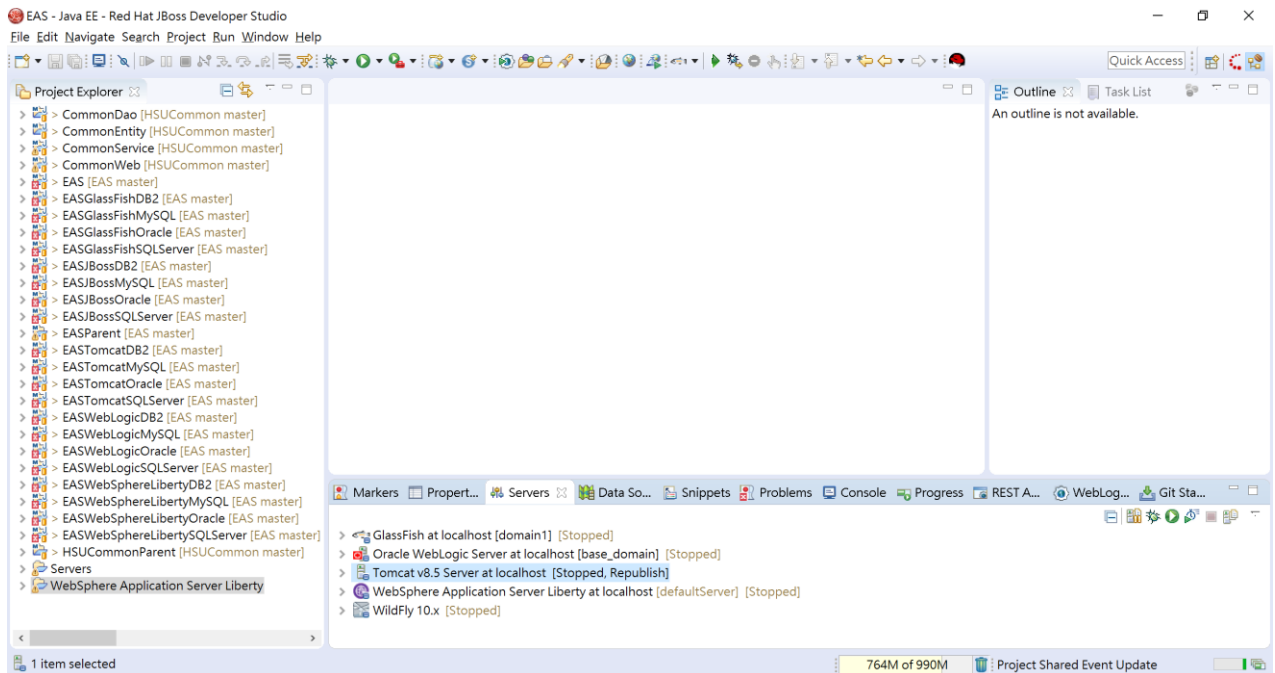
Java AP Server	Version
Tomcat	7+
JBoss EAP	7+
JBoss WildFly	10+
WebLogic	12.2.1.3+
WebSphere Liberty	17.0.0.2+
Payara(GlassFish)	4.1.1.164+

- 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 Project in Eclipse



2. 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

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

red
Change skin
Logout

Please enter account and password

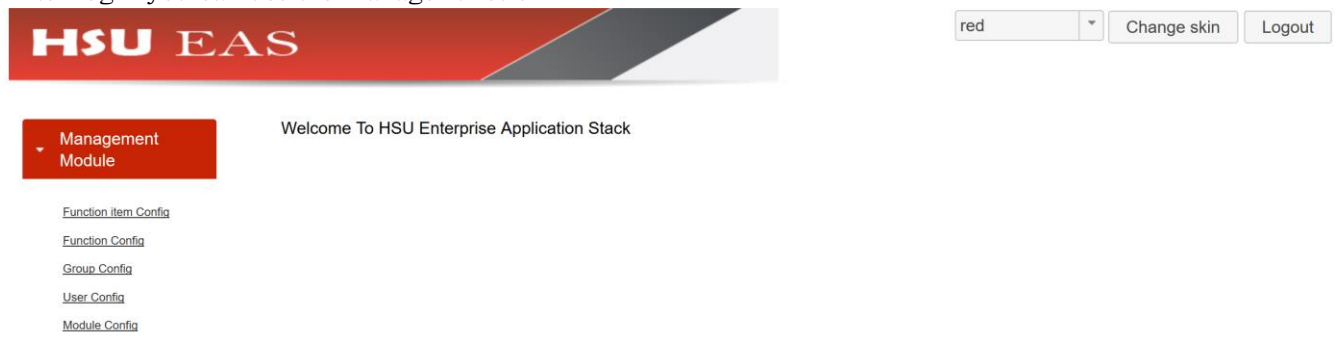
account

password

remember me
 ☐

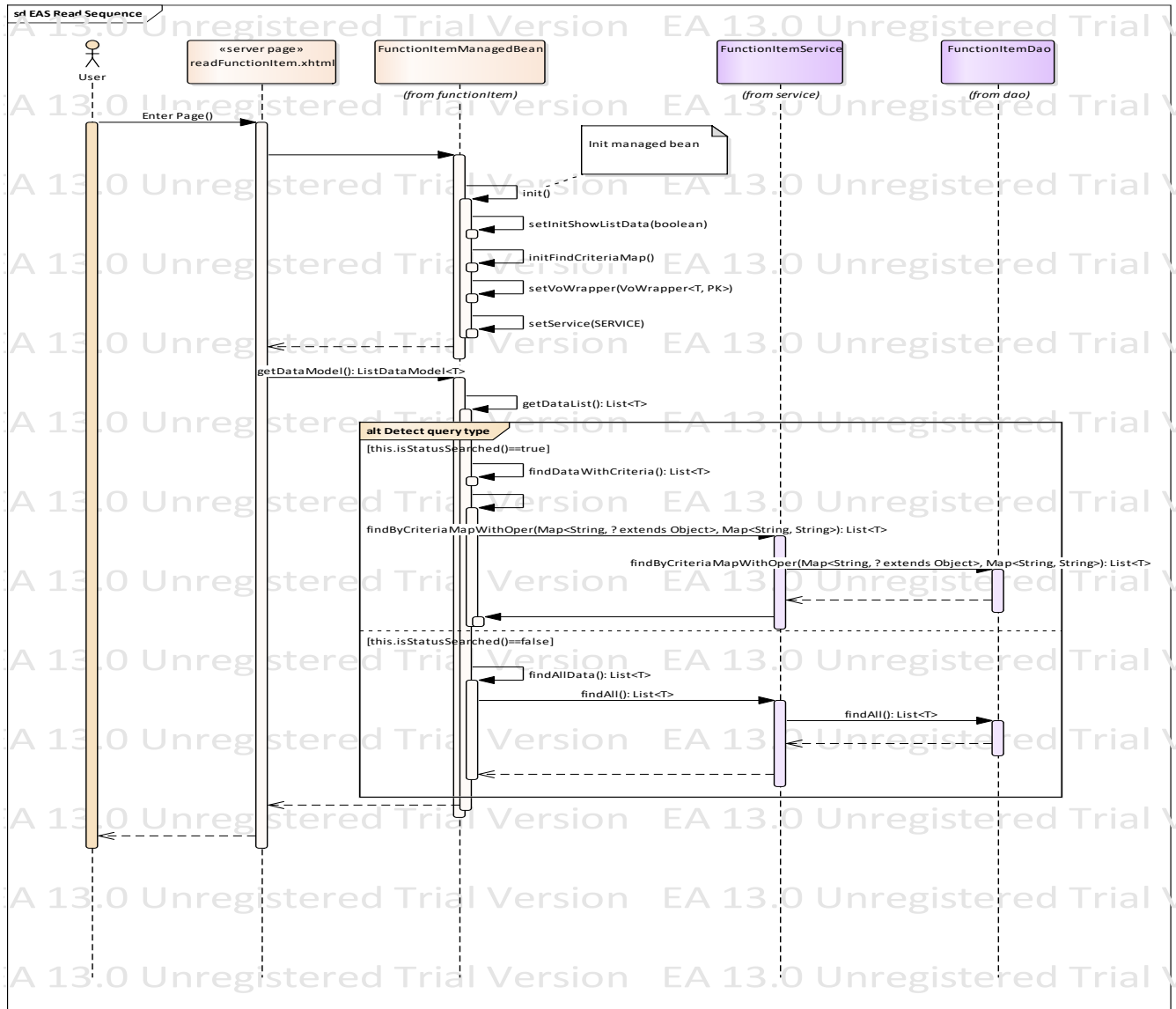
Login
reset

4. After login you can use the manage function

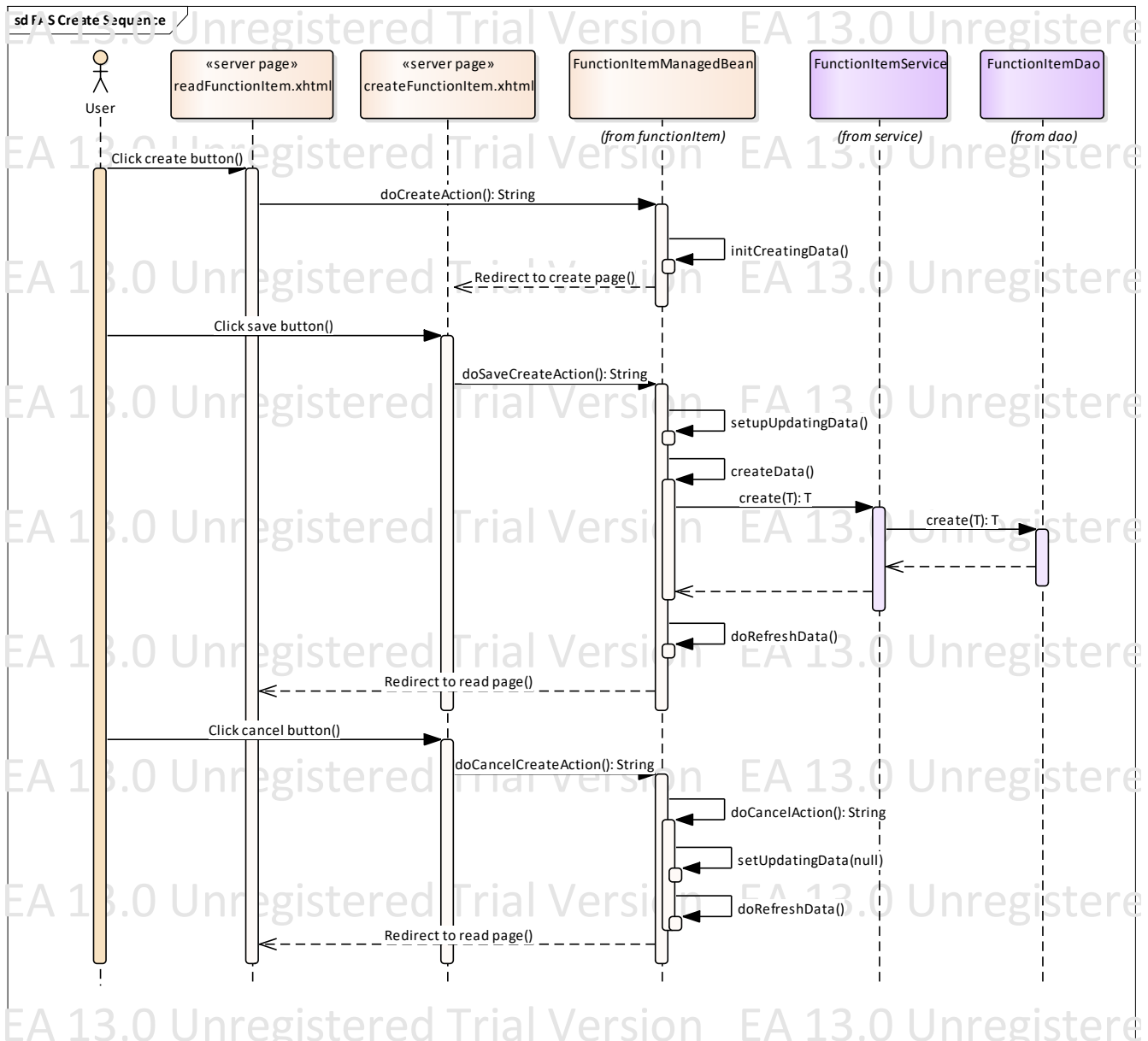


3. CRUD sequence machanism

3.1 Query



3.2 Create



```
sequenceDiagram
    actor User
    participant S1 as «server page»  
readFunctionItem.xhtml
    participant S2 as «server page»  
updateFunctionItem.xhtml
    participant FIMB as FunctionItemManagedBean
    participant FIS as FunctionItemService
    participant FID as FunctionItemDao

    Note over S1: Click row to update()
    S1->>S2: doUpdateAction(): String
    activate S2
    S2->>FIMB: (from functionItem)  
doUpdateAction(): String
    activate FIMB
    FIMB->>FIS: (from service)  
setUpdatingData(ValueObject<T, PK>)
    FIS->>FID: (from dao)  
initUpdatingData(ValueObject<FunctionItem, java.lang.String>)
    FID-->>FIS: 
    FIS-->>FIMB: 
    FIMB->>S2: Redirect to update page()
    deactivate FIMB
    S2->>S1: 
    deactivate S2

    Note over S1: Click save button()
    S1->>S2: doSaveUpdateAction(): String
    activate S2
    S2->>FIMB: doSaveUpdateAction(): String
    activate FIMB
    FIMB->>FIS: setupUpdatingData()
    FIS->>FID: update(T): T
    FID-->>FIS: 
    FIS-->>FIMB: 
    FIMB->>S2: doRefreshData()
    S2->>S1: Redirect to read page()
    deactivate S2

    Note over S1: Click cancel button()
    S1->>S2: doCancelUpdateAction(): String
    activate S2
    S2->>FIMB: doCancelUpdateAction(): String
    activate FIMB
    FIMB->>FIS: doCancelAction(): String
    FIS->>FID: doRefreshData()
    FID-->>FIS: 
    FIS-->>FIMB: 
    FIMB->>S2: Redirect to read page()
    deactivate S2

    Note over S1: Click delete button()
    S1->>S2: doDeleteAction(): String
    activate S2
    S2->>FIMB: doDeleteAction(): String
    activate FIMB
    FIMB->>FIS: deleteOneData(T)
    FIS->>FID: delete(T)
    FID-->>FIS: 
    FIS-->>FIMB: 
    FIMB->>S2: doRefreshData()
    S2->>S1: Redirect to read page()
    deactivate S2
```