

## USER GUIDE

### To run the system using iss-vm

- Download pre-built virtual machine from <http://bit.ly/iss-vm>
- Start iss-vm
- From desktop, start 'Tool KIE 7.12'
- Start 'Chrome' web browser;
  - Go to web link: <http://localhost:8080/jbpm-console>

### Import project into KIE Workbench

- Login using:
  - Username: **iss-admin**
  - Password: **iss-admin**
- In KIE workbench, select/create a project Space (e.g., ISS-MR)
- Click menu function '**Import Project**'
- For Repository URL, key in file:///home/iss-user/iss-vm-program/is-intelligent-reasoning-systems/jboss/Enhanced\_Mortgage\_Process

### To start a new mortgage application process

- Start new process instance under Process Definition, by clicking **Menu → Process Definitions**
- Select this version of the mortgage application project, Enhanced\_Mortgage\_Process\_1.0.0-SNAPSHOT, then click **Start**
- Fill in the application form and trigger business process by clicking **Submit** (Fig 1)

Fig 1. Mortgage application form

MortgageApprovalProcess

Correlation key

Form

Application

Down Payment \* Years of amortization

Down Payment Years of amortization

Applicant

Name

Name

Annual Income \* Credit Rating \* ⓘ

Annual Income Credit Rating

Debt \* ⓘ

Debt

Investor \* ⓘ

Has Job \* ⓘ

Own House \* ⓘ

SSN

SSN

Property

Age of property \* ⓘ

Age of property

Condominium \* ⓘ

Address of property

Address of property

Locale \* ⓘ

Locale

Sale Price \*

Sale Price

Submit

- Go to **Task Inbox** to claim the human task 'Final Approval'
- You complete the mortgage application loan by reviewing the mortgage application and deciding whether to approve the loan by clicking the Inlimit checkbox at the bottom of the form (Fig 2)

Fig 2. FinalApproval-taskform

The screenshot shows a web application interface for a 'Final Approval' task. The form is titled '1 - Final Approval' and is divided into three main sections: Application, Applicant, and Property. Each section contains several input fields and checkboxes. The Application section includes 'Mortgage amount', 'Down Payment', 'Years of amortization', and 'Current Debt-to-Income Ratio'. The Applicant section includes 'Name', 'Annual Income', 'Date of Birth', and 'SSN'. The Property section includes 'Age of property', 'Address of property', 'Location', and 'Sale Price'. The form is displayed in a web browser window with a sidebar on the left and a top navigation bar.