The business process is deployed using Java. The business process uses 2 delegate in the Java project for two service tasks, which are Check Stock and Send confirmation. For check stock, the service task uses the CheckStockDelegate.java file to generate a Boolean variable randomly. The send confirmation service task uses the LoggerDelegate.java file. There are 2 embedded forms for each of the user task as well. The Notify user service tasks uses a connector implementation. Detail deployment steps are as below:

Graphical user interface

Description automatically generated with medium confidenceThe deployed business process consists of 3 service tasks and 2 user tasks.

Graphical user interface

Description automatically generated

When the process starts, it will go to the first service task: Check stock. In this service task, it will randomly generate a yes or no outcome, the former means that stock is enough, and the latter means that stock is not enough. If stock is enough, it will trigger another service task which is send confirmation. Following that, it will go to a service task which is Deliver Item which consist of an embedded form. In this user task, user will have to fill up the form for the delivery address. After that, the process is completed. Graphical user interface, text, application, email

Description automatically generated

If stock is not enough, it will go to the service task Notify User. This service task have a mail-send connector implementation which uses the camunda-bpm-mail connector. In this service task, an email will be send to the manager to remind him that there is not enough stock. The connector details can be viewed in Properties-panel -> Connector. The email received will be as below: A picture containing shape

Description automatically generated

After the service task is done, it will go to a user task which include an embedded form as well. In this task, user will be asked to fill in the stock and the amount of stock they need to restock. The form are as below: Graphical user interface, text, application, email

Description automatically generated

After that, the process is completed as the order is cancelled because there is not enough stock.