

Assignment 11

Course- CS 548

Fall 2016

Submitted By- Yugaank Arun Sharma

Stevens Id- 10419077

Canvas Id- ysharma

For this question, you should use the BPMN2Modeler plugin that is an optional plugin for the Eclipse Mars IDE. You should install the BPMN2Modeler plugin1. Once you have done this, create a Java project for this assignment.

1. In this assignment, using the plugin in eclipse mars of BPMN, I designed a diagram of clinic database having 3 main processes. Patient, Local Clinic and Regional hospital.
2. Patient comes to a local clinic and registers at the front office where front office is a separate sub process of local clinic.
3. If the patient is new, a questionnaire is filed up by him if he wishes to share his medical data anonymously. Patient can withdraw at any moment during that process. Then the patient is send for a physical examination. If senior guidance is necessary, then the patient is sent to senior clinician otherwise not. If the senior clinician is not available sent a message to the regional hospital.
4. From there the hospital will respond if the response is timed out, refer the patient to the hospital, otherwise depending on the response, treat the patient at the clinic/ hospital.
5. The consent data is in the data upload process where there are two main elements called consent agreements and clinical data. If the data is incomplete, throw an error otherwise sent a message to data warehouse.

Note: I have tested this bpmn with <http://demo.bpmn.io> and also uploaded a screenshot of the model diagram with the name of the site url.

If there are any issues running .bpmn file, please open the file using xml editor and or diagram editor, since eclipse have really serious bugs for this module, and I faced lots of issues and had to make the project again and again due to class not found exception occurring when opening this project in BPMN modeler editor. I had to copy the xml code again and again, make a new project and then paste my code to new project xml editor so I can open this project and work again on it.

In this submission zip archive-

In the root folder, there is README.pdf, Visit.png, Registration.png, Consultation.png, Data_Upload.png, and ClinicBPMN Eclipse folder.