

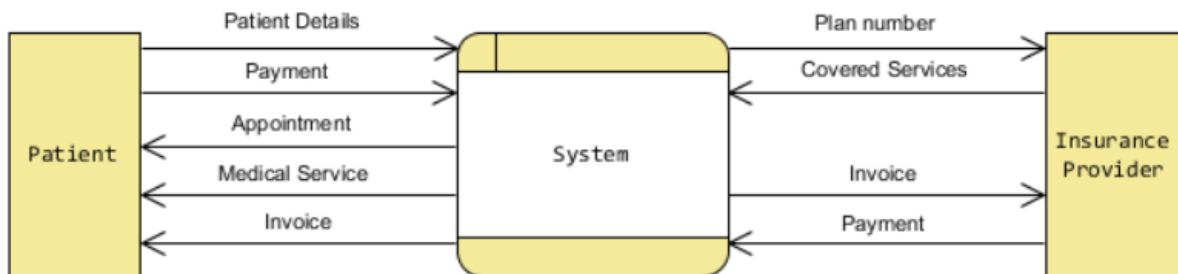
Audiology_Assignment 2 Fall 2016

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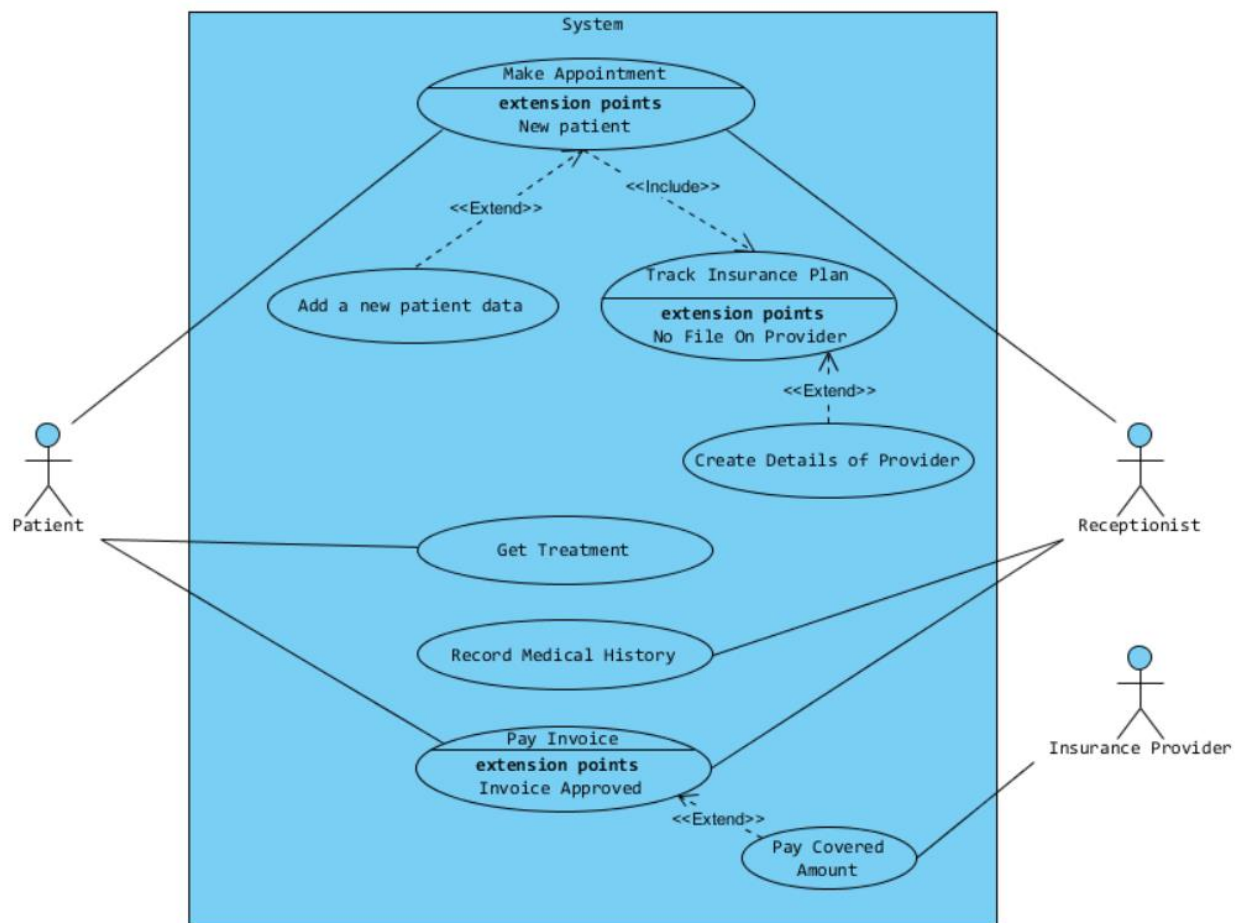
Course: Object Oriented Methodologies- UML

Instructor: Anna Wachholz

Context Diagram



Use Case Diagram



Use Case Narratives

Make Appointment
Main Flow: <ol style="list-style-type: none">1. Patient provides patientID and general information.2. Receptionist checks the patient's information and edit it.3. Receptionist checks if a patient has an insurance provider.4. Receptionist includes the details of the insurance provider.5. Receptionist tracks patient's insurance plan.
Exception Condition: <ol style="list-style-type: none">1. If a patient is a new, then Clinic<ol style="list-style-type: none">a. Add a new patient data.2. If Clinic doesn't have a file on a particular provider, then Clinic<ol style="list-style-type: none">a. Create a new file.

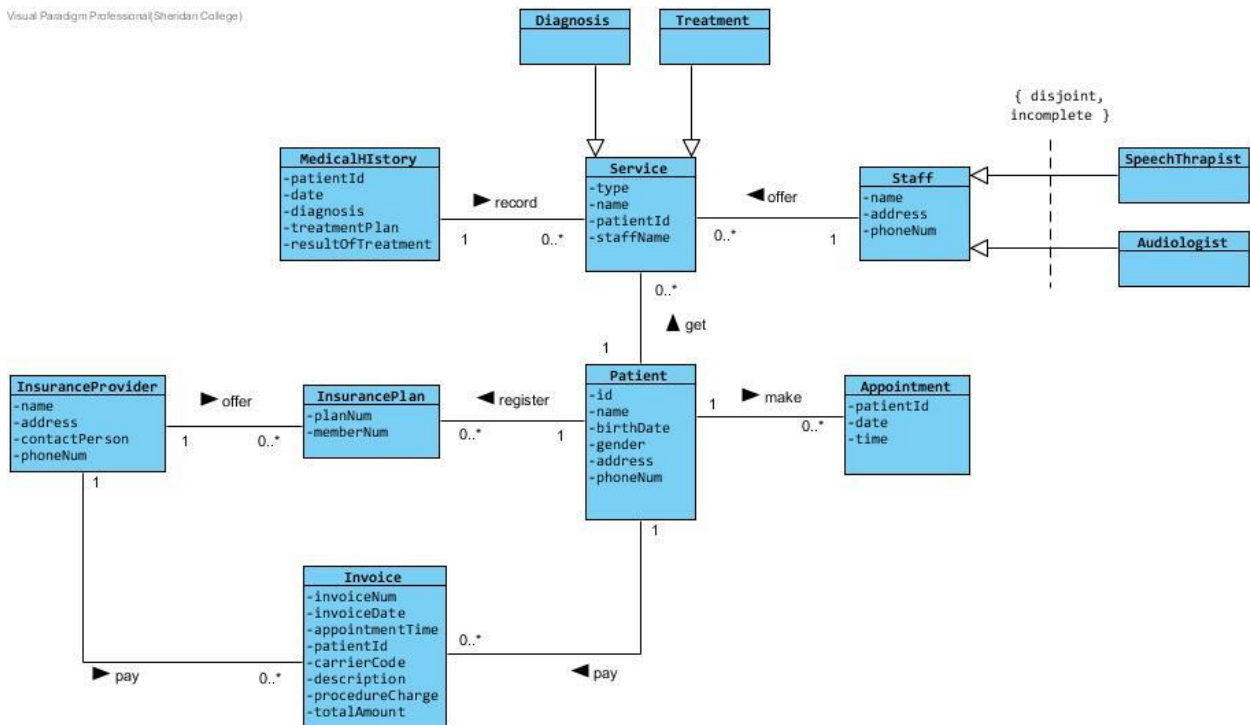
Get Treatment
Main Flow: <ol style="list-style-type: none">1. Patient comes in for their appointment2. Patient gets a diagnosis3. Patient gets a treatment plan4. Patient gets treatments

Record Medical History
Main Flow: <ol style="list-style-type: none">1. Receptionist Records a diagnosis2. Receptionist Record a treatment plan3. Receptionist Record the result of treatment4. Receptionist Record involved staff members

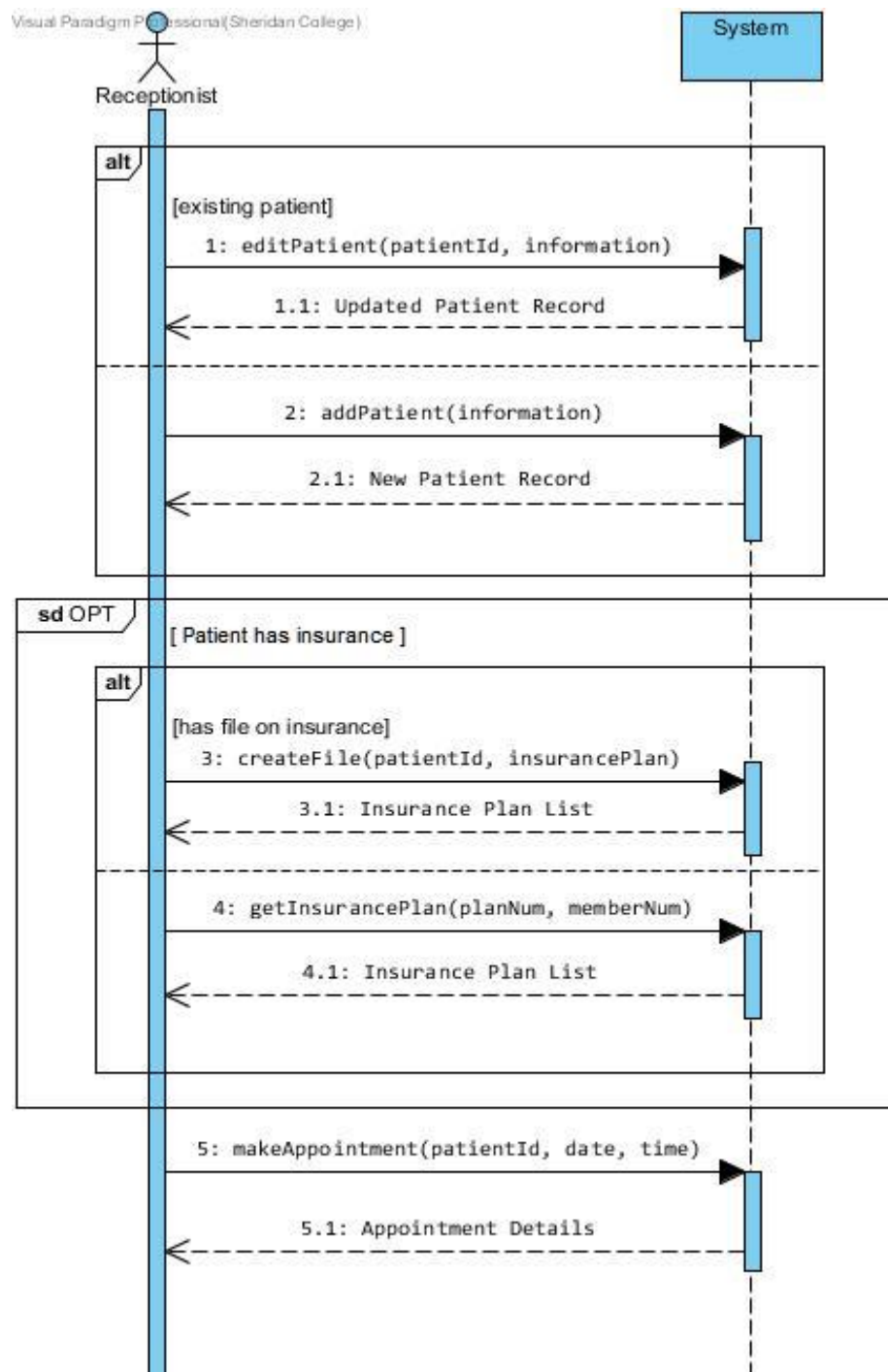
Pay Invoice
Main Flow: <ol style="list-style-type: none">1. Receptionist calculates amount2. Receptionist creates an invoice3. Receptionist sends the invoice4. Receptionist keeps a statement for the payment5. Payment is fully paid
Exception Condition: <ol style="list-style-type: none">1. If a patient has an insurance provider, then clinic<ol style="list-style-type: none">a. Bills patient's insurance provider for covered amount.2. If an insurance provider deny the invoice, then clinic<ol style="list-style-type: none">a. Redo the invoice and send it to the patient for payment.

Domain Class Diagram

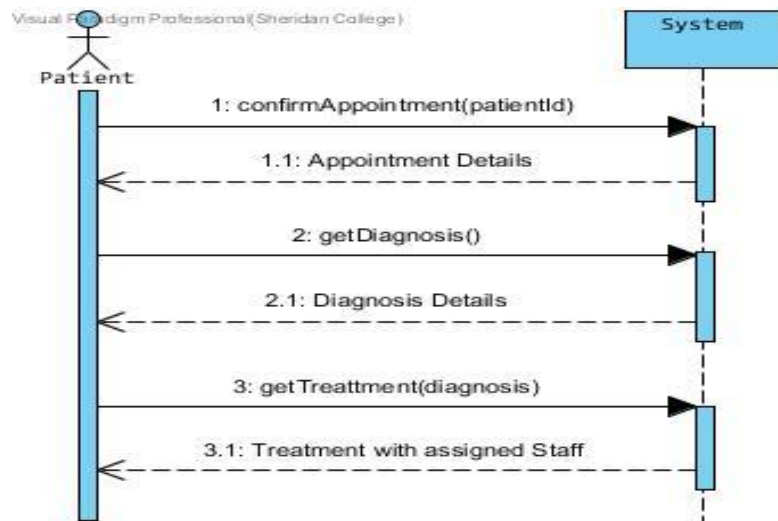
Visual Paradigm Professionals (Sheridan College)



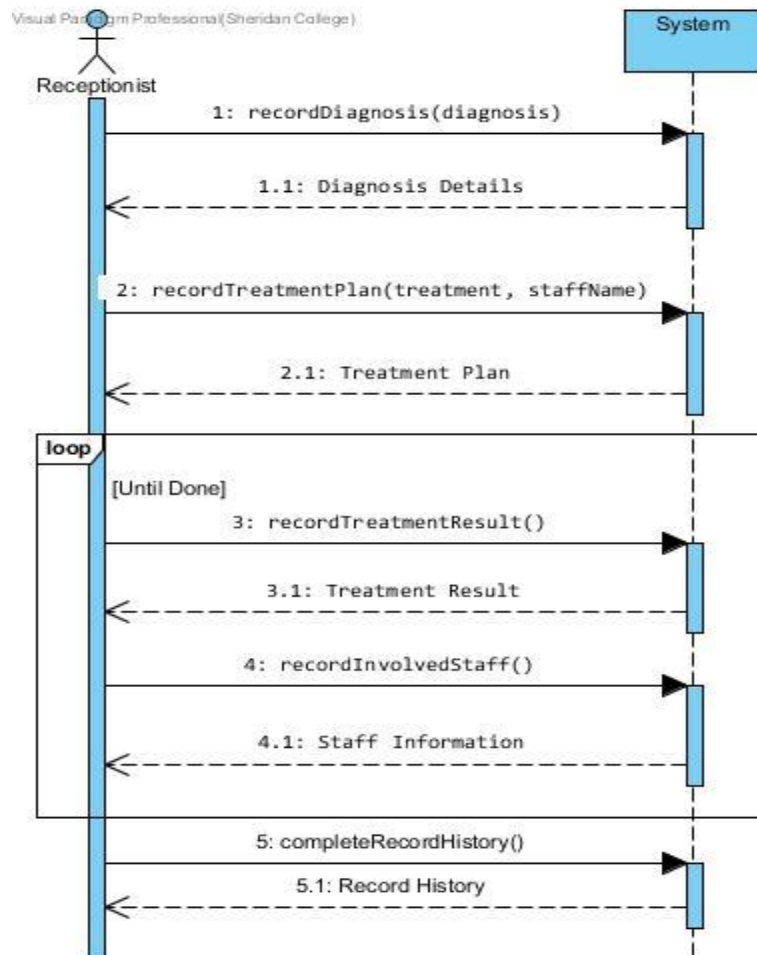
SSD (Make Appointment)



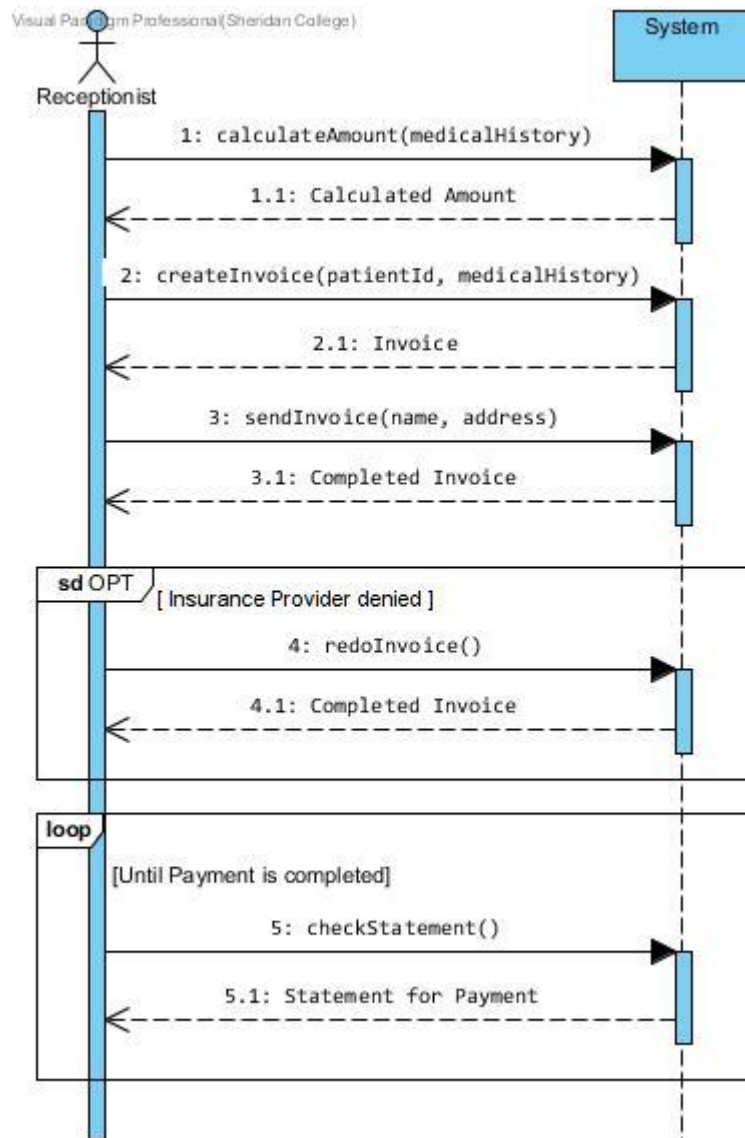
SSD (Get Treatment)



SSD (Record Medical History)



SSD (Pay Invoice)



State Chart

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