

UML Exercises

For each of the following problem descriptions, draw a UML class diagram representing the software system design you would design. Include as many details as possible.

1. You need to design a software system that handles installation requests for a cable company. Installation requests are serviced on a first-come first-serve basis. An installation request is identified by an id number and the technician it is assigned to. An installation request includes information about a customer, and type of service requested (digital or analog). The cable company has two types of technicians: those that install analog systems and those installing digital ones. Installing an analog system requires connecting a cable to the back of the TV and setting up the TV; installing a digital system requires making a connection to a company digital box, and a separate connection to the TV. In addition to installing systems, any technician can generate a bill for a customer, and answer any general questions about services the company offers.
2. You need to design the software system that implements the submit server we use in the course.