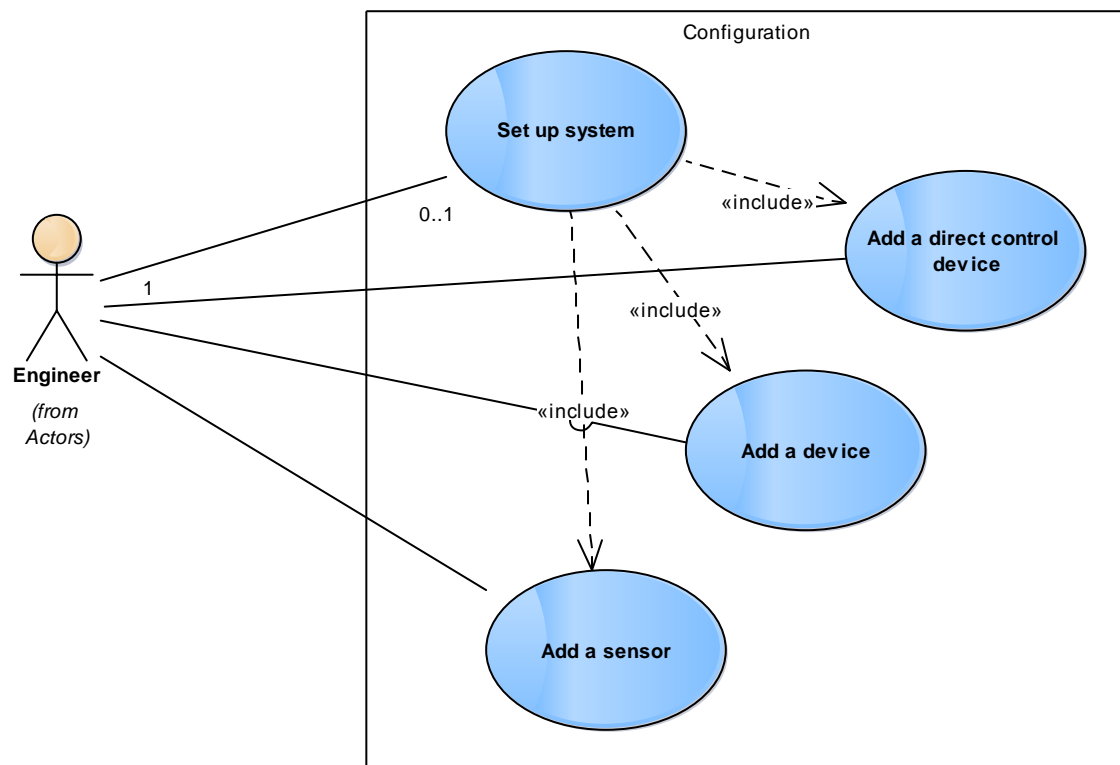


# Learning UML

O'Reilly

## Exercises – Basic Notation of Sequence Diagrams

If you have followed along, your *Configuration* use case diagram should look similar to the one in the movie.



Add the classes *AddSensorController* to the *controllers* package and *AddSensorUI* to the *ui* package. Add them to the relevant class diagrams.

Add a sequence diagram called *Add a sensor* to the use case *Add a sensor*.

Add the actor *Engineer* to the sequence diagram as a lifeline.

Add the classes *AddSensorController* and *AddSensorUI* to the diagram as lifelines and call the instances *controller* and *gui*.

Create a message from the actor to *controller*, change it to be a creation message and add the constructor *AddSensorController* to the class and set this as the name of the message.

Create a message from *controller* to *gui*, change it to be a creation message and add the constructor *AddSensorUI* to the class and set this as the name of the message.

Add a message from *gui* to itself and call it *initialize* and make it an operation of *AddSensorUI*.

Add a reply message from the execution specification of *initialize* to the original execution specification on the lifeline.

Add reply messages back from *gui* to *controller* and from *controller* to the actor.

Your diagram should look something like this.

