* Choose one or two specific use cases and build the model to accommodate them, e.g., find all contacts that an infected person had since their last negative test
* The diagram must contain at least eight classes, and must show generalization hierarchies, aggregations and composition relationships as appropriate -- justify when you use them or tell us why you wouldn't use them
* All relationships, except generalization, must have full multiplicity constraints and labeled as appropriate.
* Classes must have proper names, descriptions, and attributes with domain types.
* Key attributes and derived attributes must be marked (with the «key» stereotype).
* Foreign keys are not shown in a UML model.
* Limit yourself to two to three use cases and build the model for those, e.g., track infected patients, find contacts who may have been infected by an infected patient, alert contact of a potential infection.