Understanding Repository - 04

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CIT-360 W16

# UML

This week I’ve been working on creating the UML diagrams for my personal app, as such, based on the research I did last week, I have created the following diagrams, all based on the Missing Person Finder Application:

**Use Case Diagram**: <https://github.com/Costa-Eurico/CIT-360-W16-Understanding-Portfolio/blob/master/Understanding%20Portfolio%20Submission%2004/Use%20Case%20Model%20-%20Missing%20Person%20Finder.png>

**Use Case Document**: <https://github.com/Costa-Eurico/CIT-360-W16-Understanding-Portfolio/blob/master/Understanding%20Portfolio%20Submission%2004/Use%20Case%20Document%20-%20Missing%20Person%20Finder.docx>

**Class Diagram**: <https://github.com/Costa-Eurico/CIT-360-W16-Understanding-Portfolio/blob/master/Understanding%20Portfolio%20Submission%2004/Class%20Model%20-%20Missing%20Person%20Finder.png>

**State Diagram**: <https://github.com/Costa-Eurico/CIT-360-W16-Understanding-Portfolio/blob/master/Understanding%20Portfolio%20Submission%2004/State%20Diagram%20-%20Missing%20Persons%20Finder%20Lifecycle.png>

**Sequence Diagram**:

# Hibernate: One-to-Many Example

The link to the code below expands on the previous hibernate example to use a one-to-many relationship map. The code allows the user to select a record to display from the list, and uses the toString() method to display the details of the missing person (Person class), and all the notes (Notes class) associated to the person.

Hibernate mapping file with one-to-many relationship (lines 56-59): <https://github.com/Costa-Eurico/CIT-360-W16-Understanding-Portfolio/blob/master/Understanding%20Portfolio%20Submission%2002/Hibernate/mpfinder/resources/person.hbm.xml>

Person POJO, with the Notes attribute that will contain the associated notes, as well as getter/setters for this Set collection: <https://github.com/Costa-Eurico/CIT-360-W16-Understanding-Portfolio/blob/master/Understanding%20Portfolio%20Submission%2002/Hibernate/mpfinder/src/com/cit360/mpfinder/model/Person.java>

Display of the associated Notes, resulting from the one-to-many relationship (lines 76-90): <https://github.com/Costa-Eurico/CIT-360-W16-Understanding-Portfolio/blob/master/Understanding%20Portfolio%20Submission%2002/Hibernate/mpfinder/src/com/cit360/mpfinder/MissingPersonFinder.java>