

CS401-2024-09A-09D-01 Modern Programming Practices

LAB 2

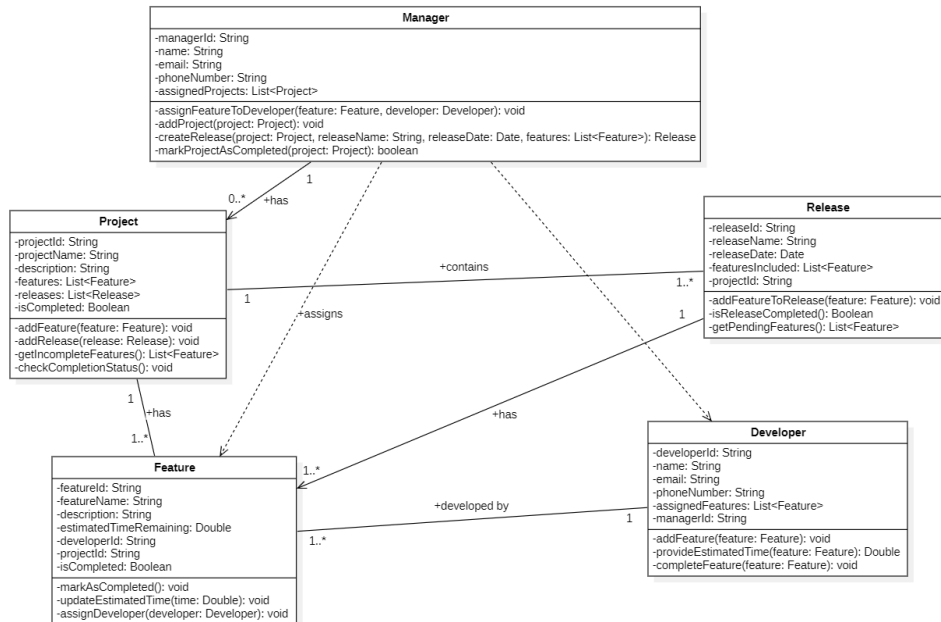
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Group 4

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Question 1



Question 2

- 2A Solved Using External Factory to generate and set objects of both classes
- 2B Solved by granting ownership of List<OrderLine> to Order

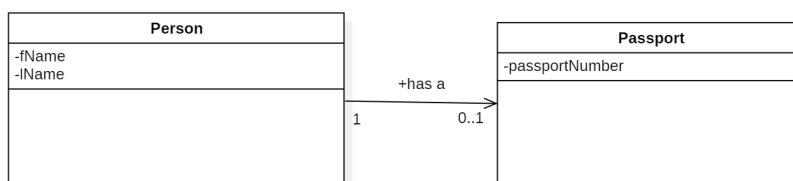
Question 3

In this example, a Person can have zero or one Passport, but the Passport does not have any reference back to the Person.

Explanation:

Person class: The Person class has a reference to a Passport object. This represents the fact that a person may or may not have a passport.

Passport class: The Passport class does not have any reference back to the Person, meaning the association is unidirectional.



Note: Code is placed in the same directory. There are 3 packages, one for each of problem 2A, 2B and 3. A single main method calls the relative object generators of each problem.