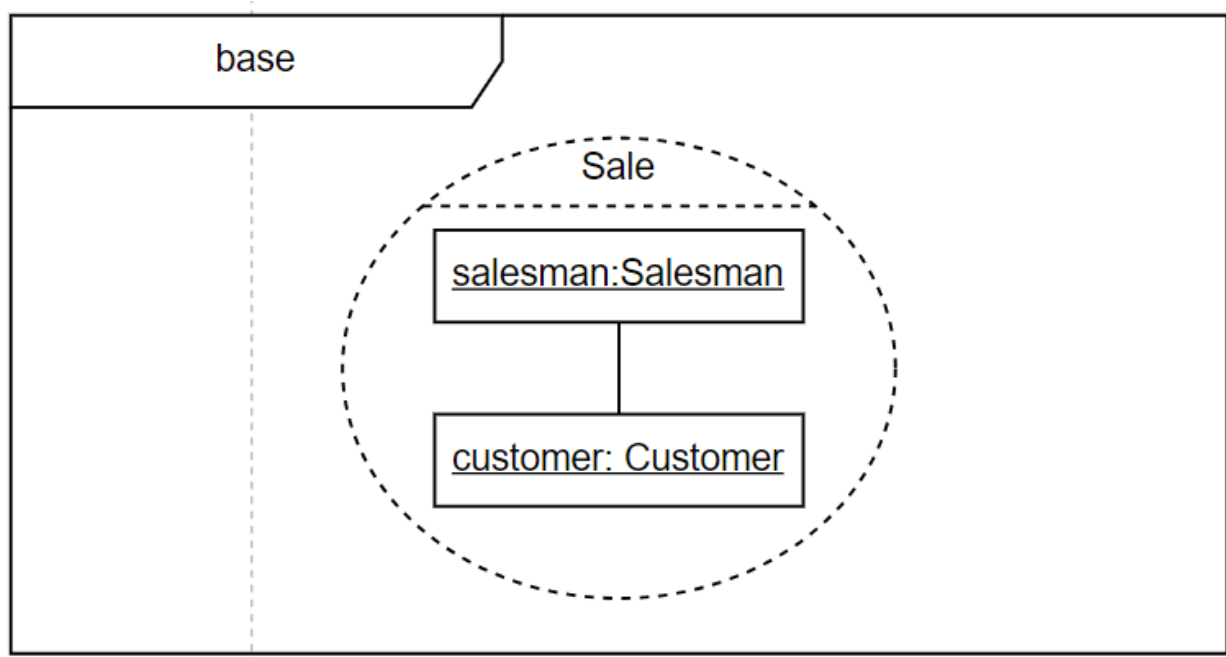
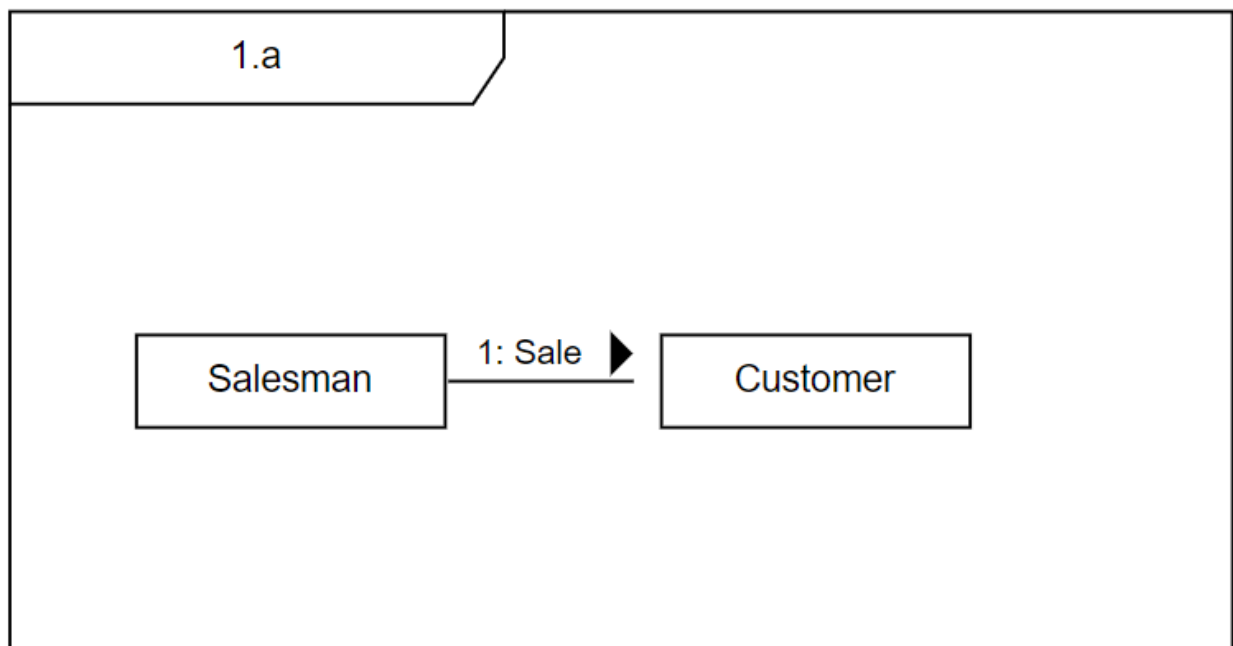


Task 1.

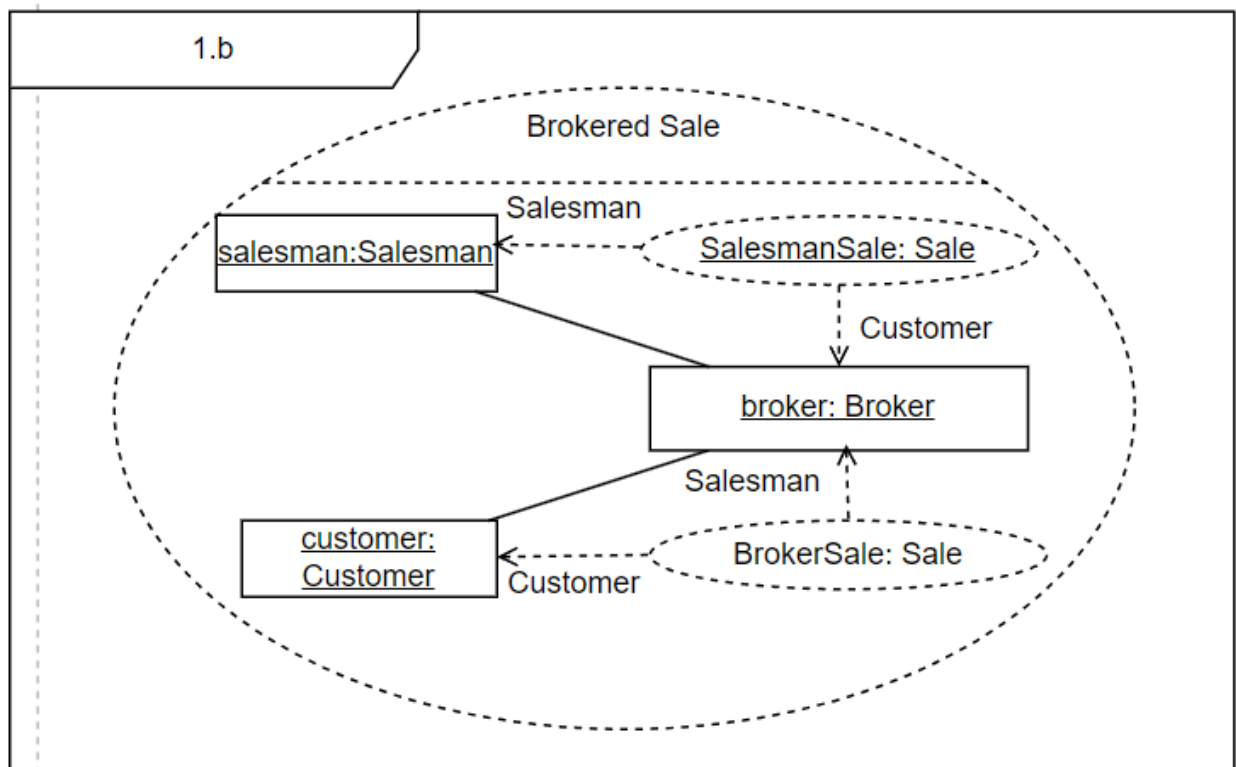
Base diagram



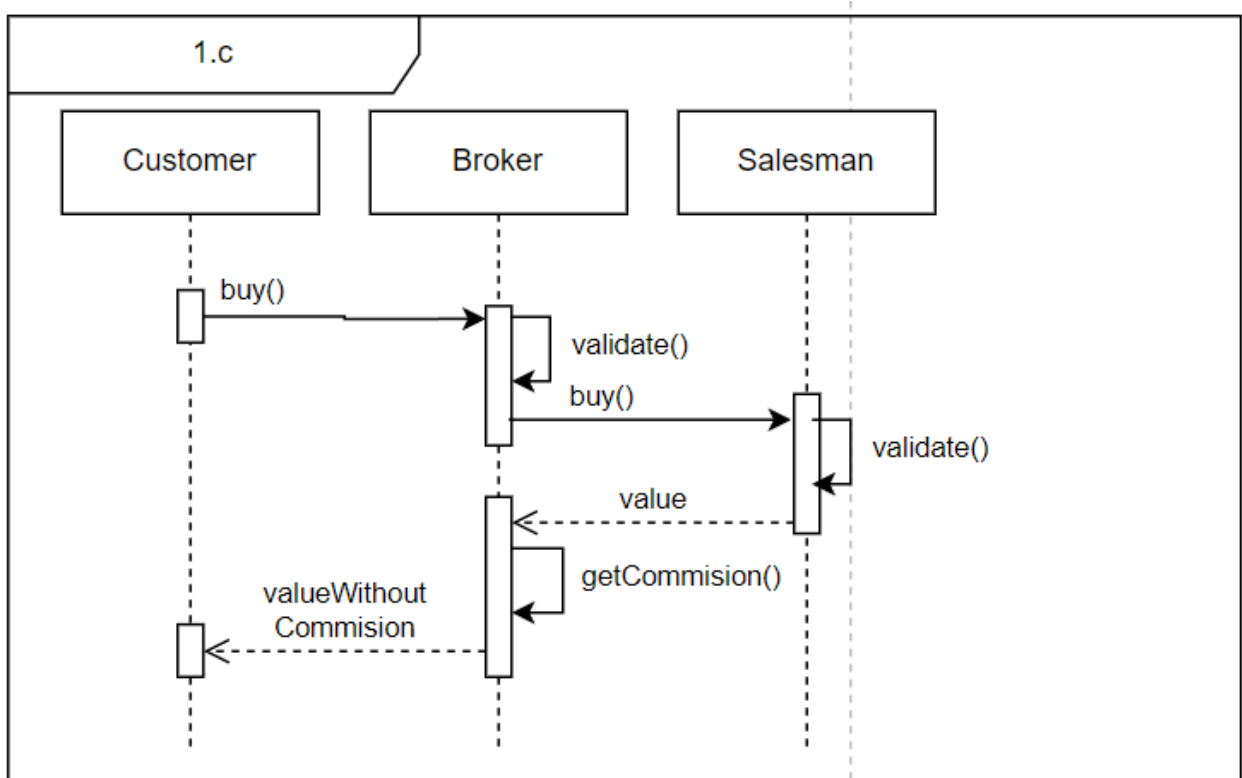
1.a



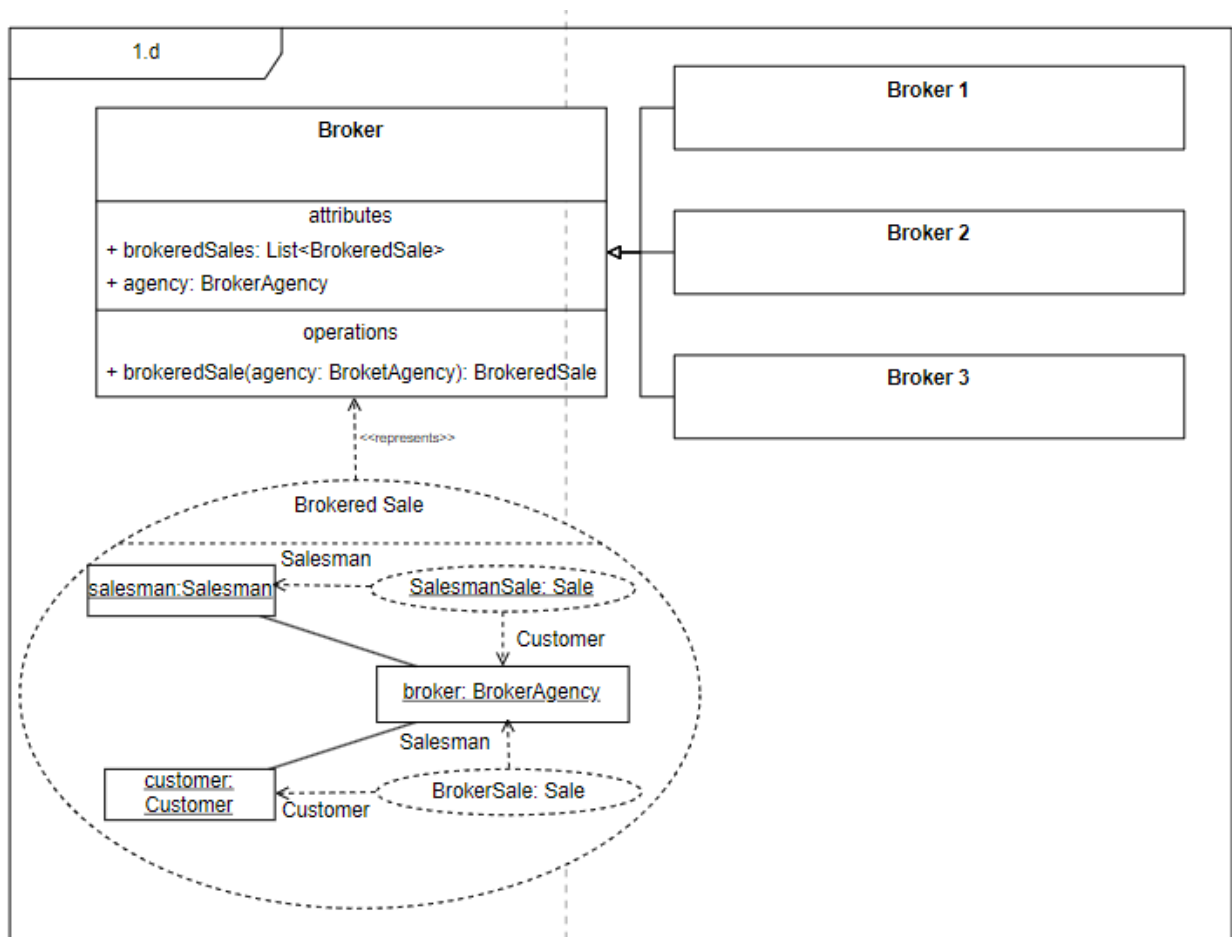
1.b



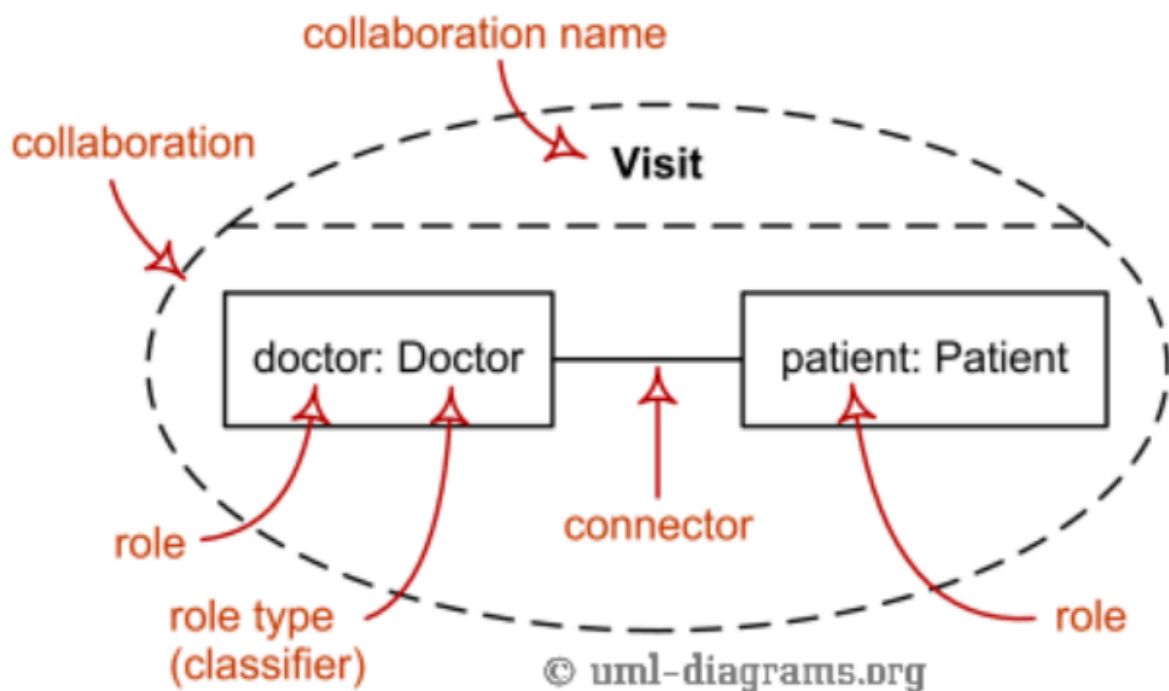
1.c



1.d

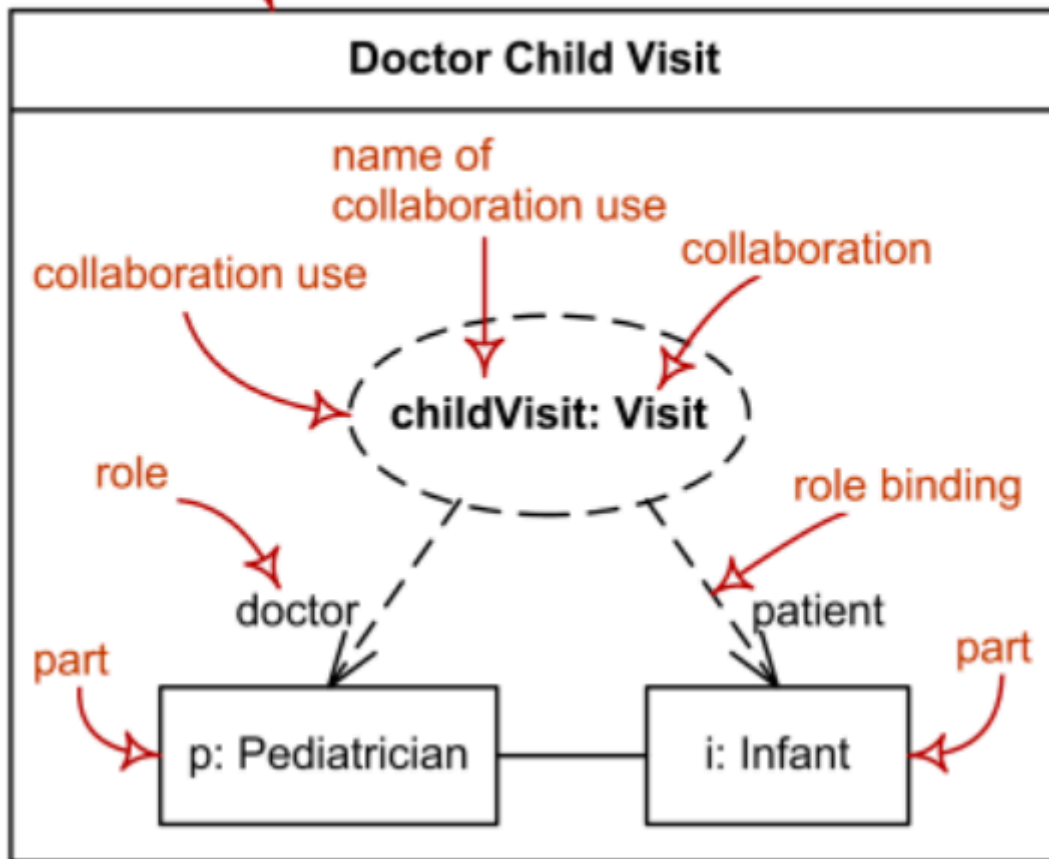


Cooperation use - is a way to use collaborations. In first pic. create a collaboration. In the second one we use it by binding roles (attributes) inside collaboration.



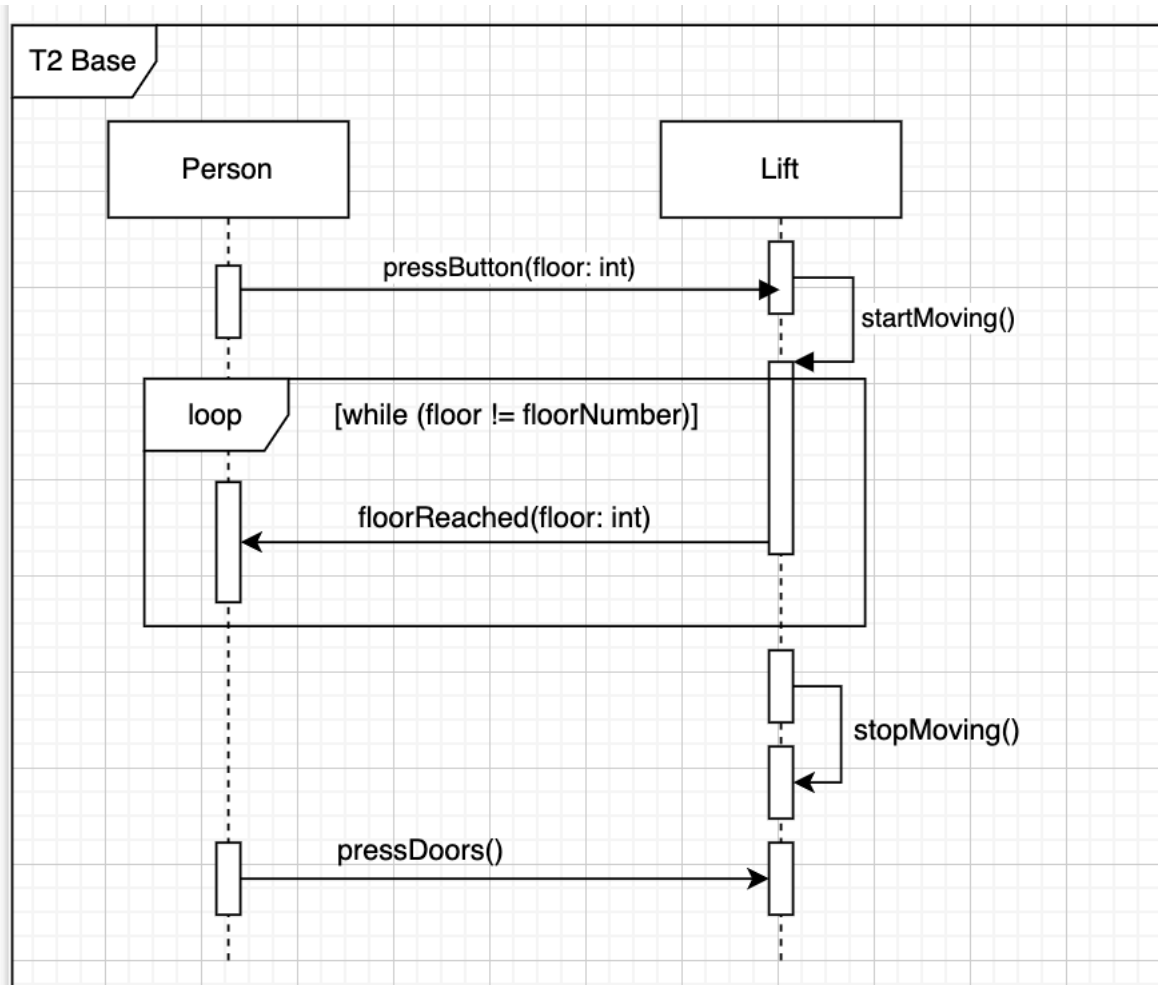
structured class

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Task 2.

Base diagram



Base diagram

Base diagram is a sequence diagram, that included entities: Person, Lift. The goal is a model of event when passenger interact with a lift.

Using Participants:

- Person: passenger that interact with system
- Lift: main system and machine that have actions for moving, take information about floors and pressed buttons of floors or doors.

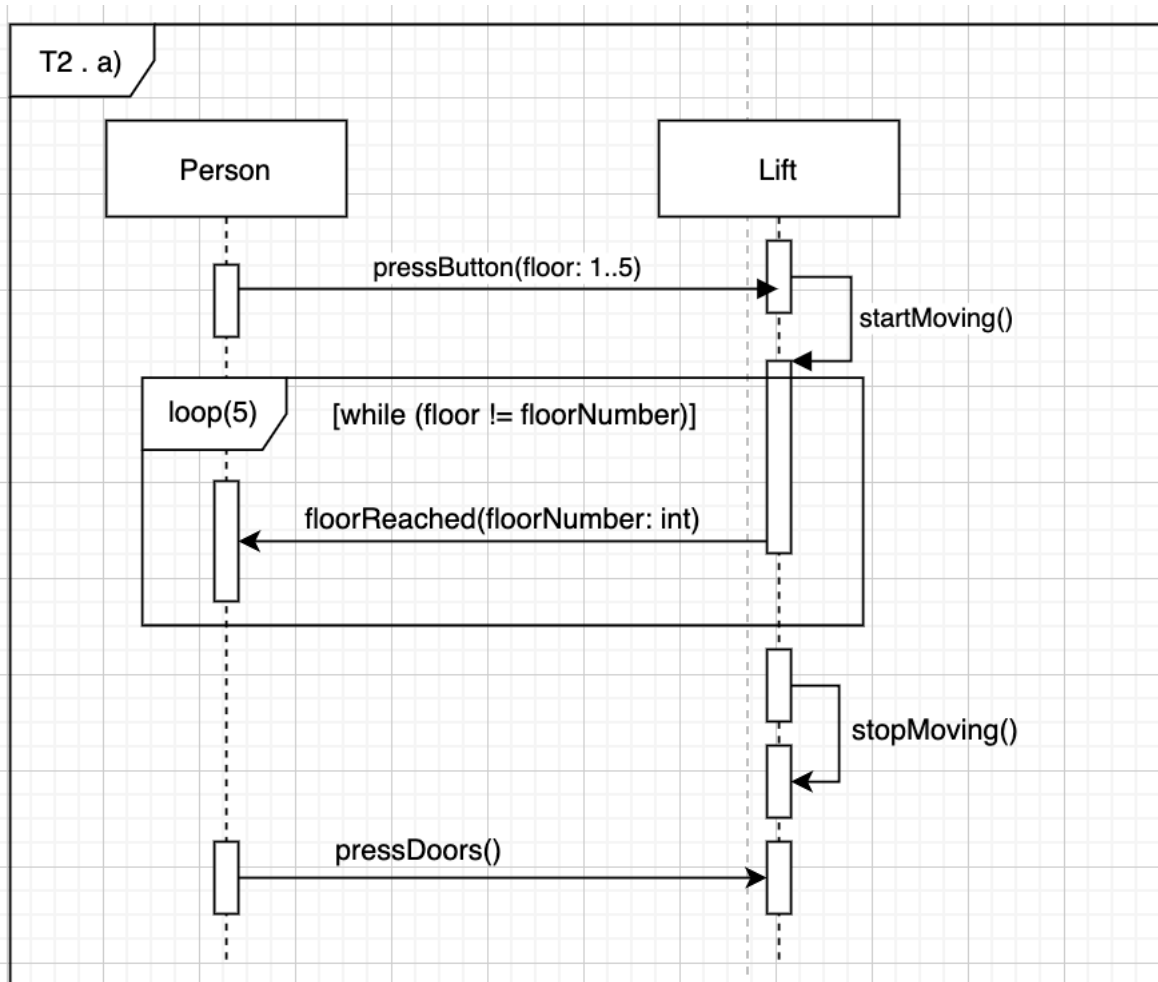
When Person press a button with number of floor, he gives information to Lift about floor, that need to reach.

Lift starting moving and turn on loop cycle, while its will be broken by equals of floor and floor number from person. Lift gives information inside loop about current reached floor.

When floor have already reached, lift could stop.

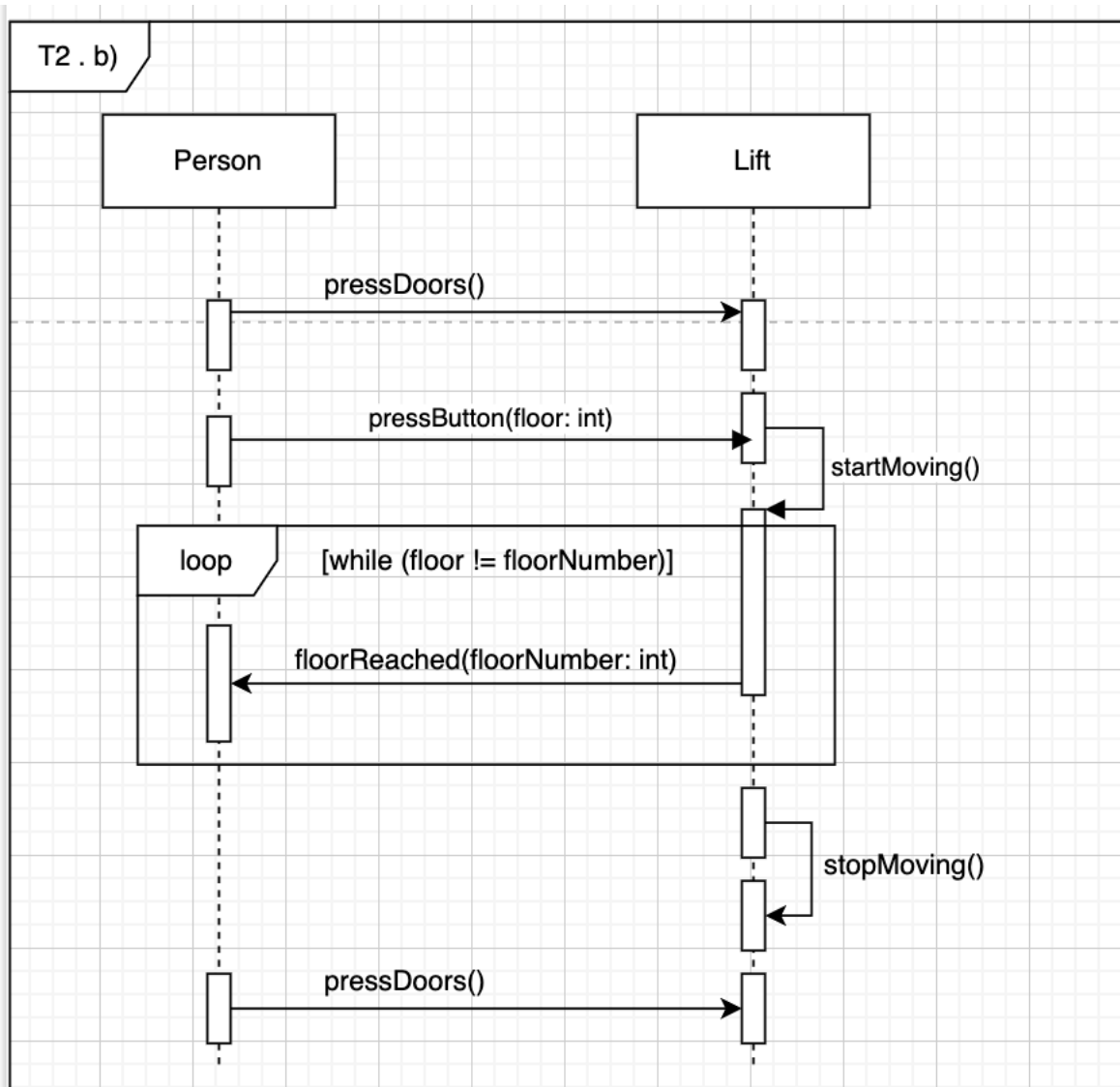
Person can press button to open doors.

2.a



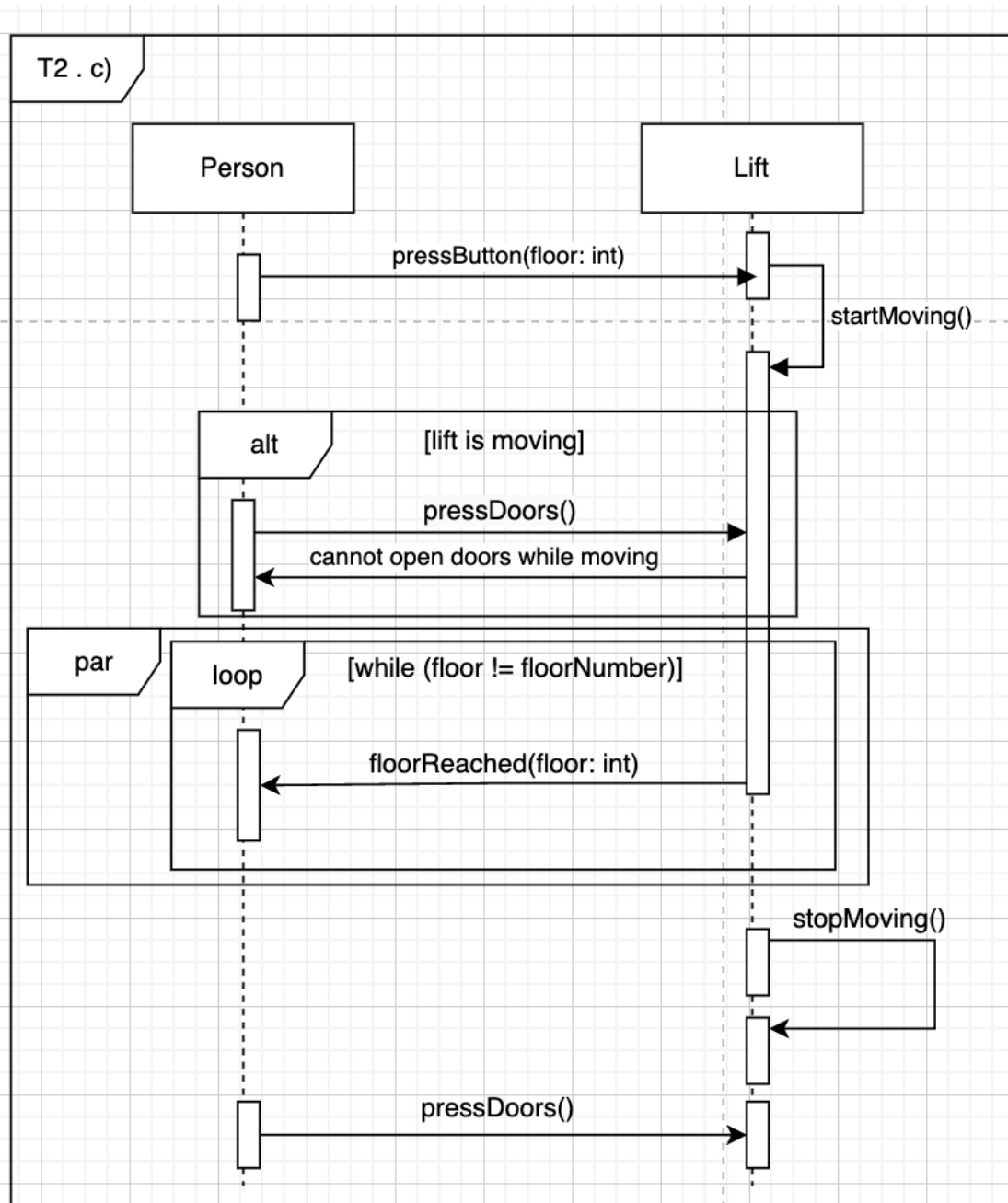
Detailed model with loop, that reached from 1 floor to 5th.

2.b



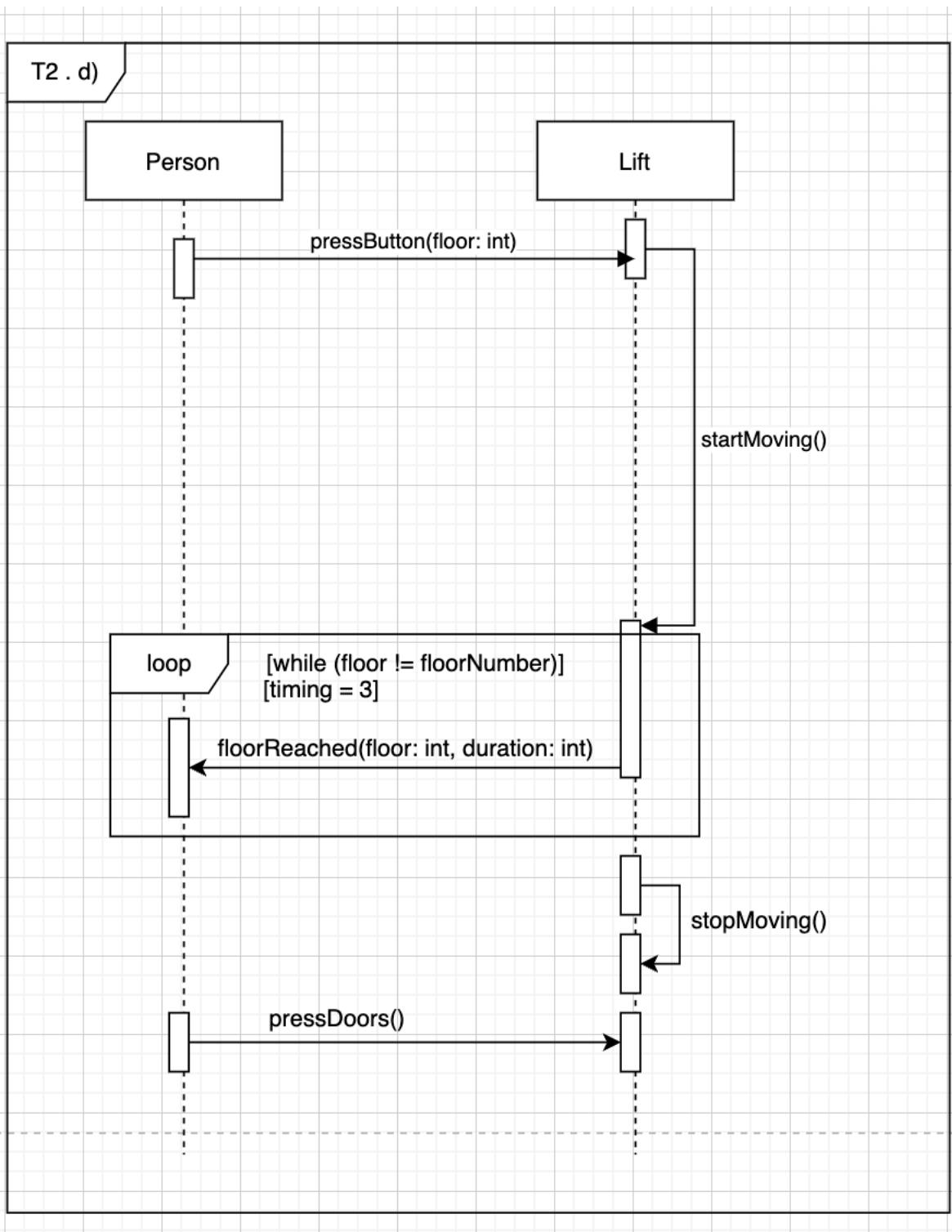
Person can press Doors before lift start moving.

2.c



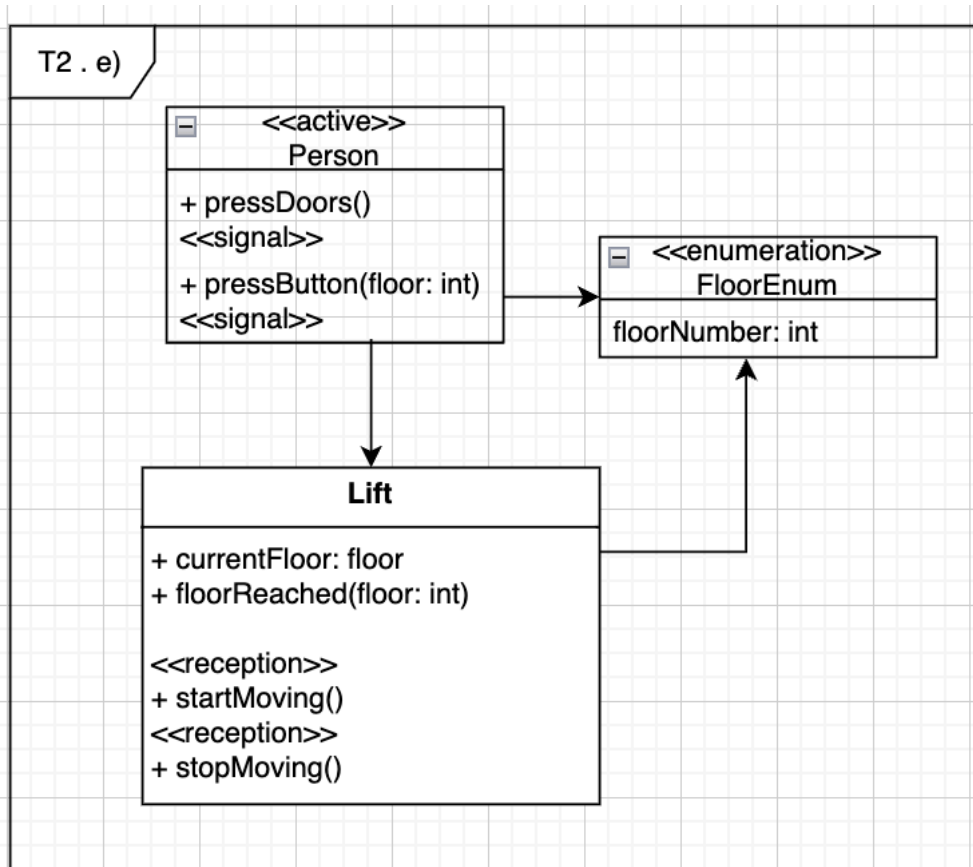
When person press Doors after lift starting moving, doors wouldn't open, because lift is moving.

2.d



Loop have a timing and duration time, that lift gives to person

2.e



Person is active class, that have signals press doors and press buttons with an integer parameter floor.

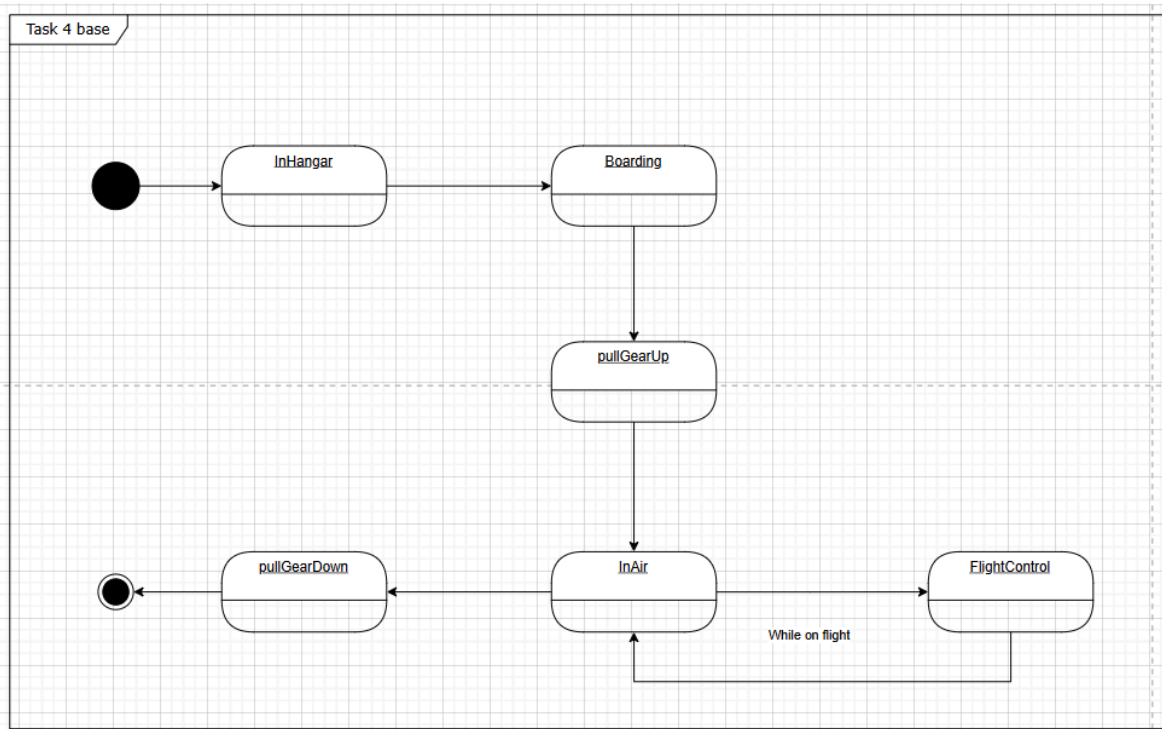
When person gives information about floor, its communicate with enumeration FloorEnum, that have integer floorNumber.

Person interacts with lift.

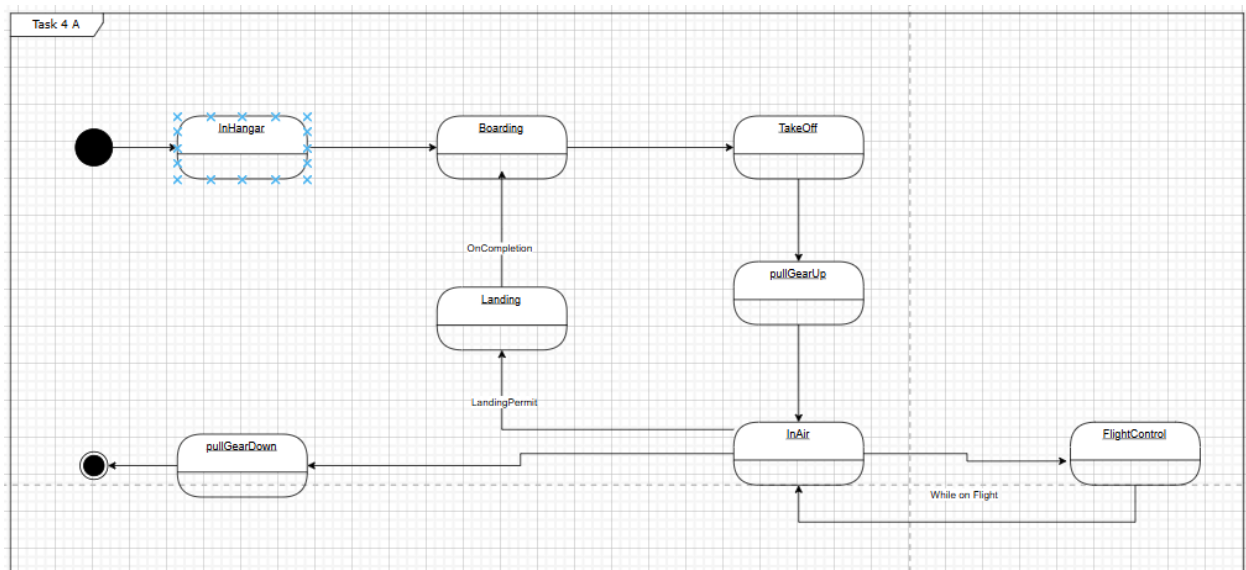
Lift have information about current floor and reached floor. Also Lift has receptions start moving and stop moving.

Task 4.

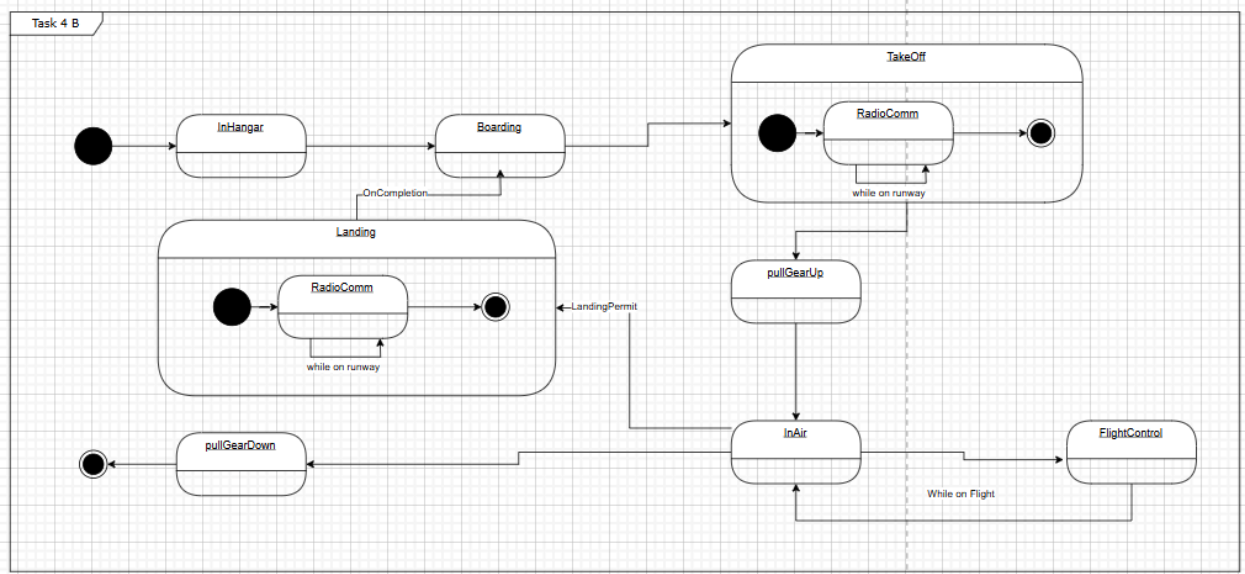
Base diagram



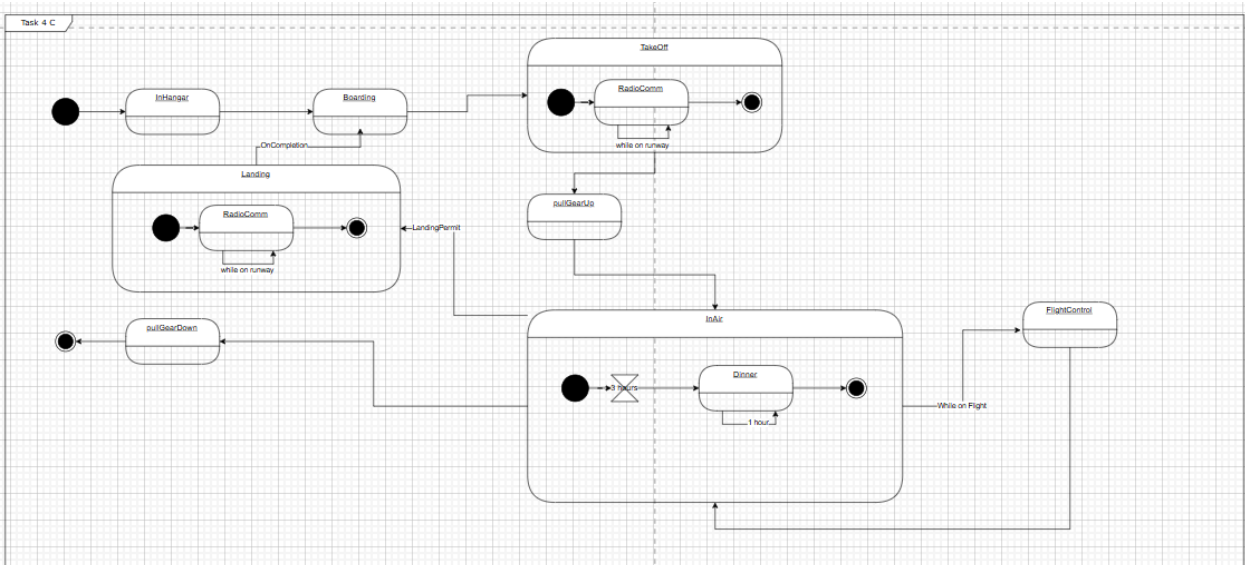
4.a



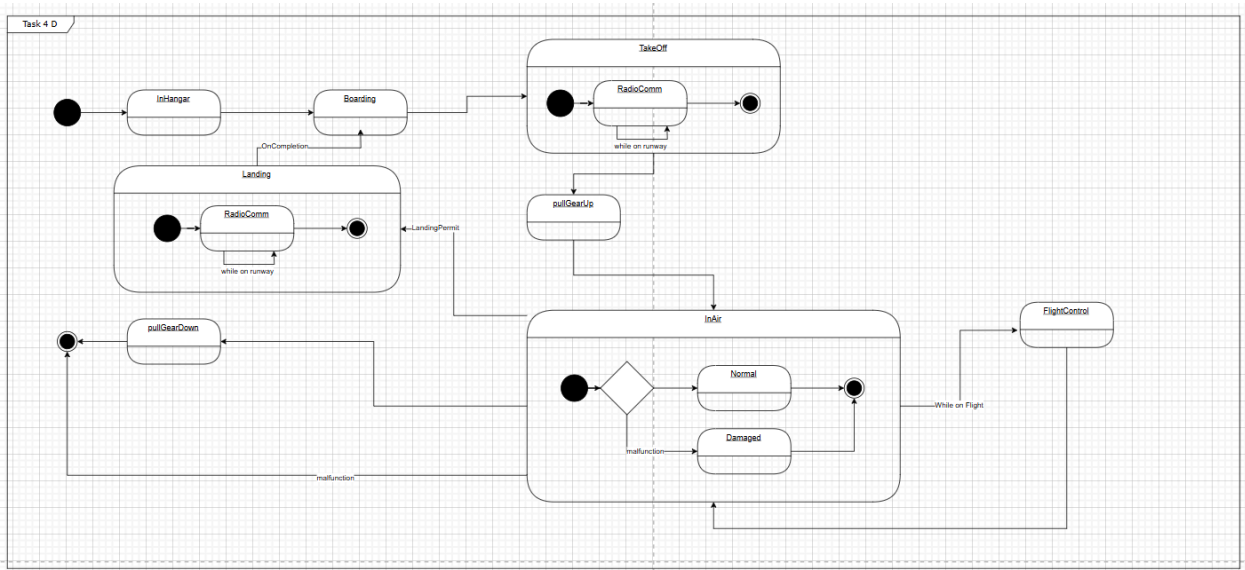
4.b



4.c

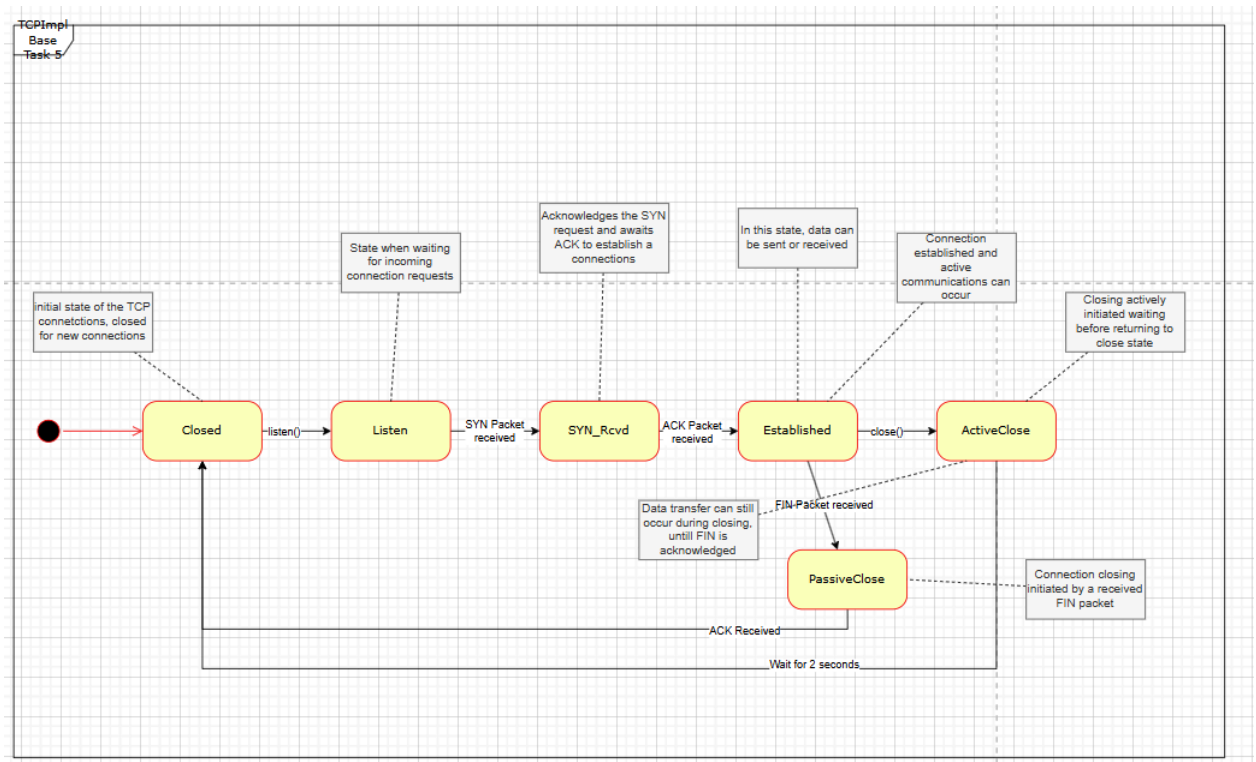


4.d

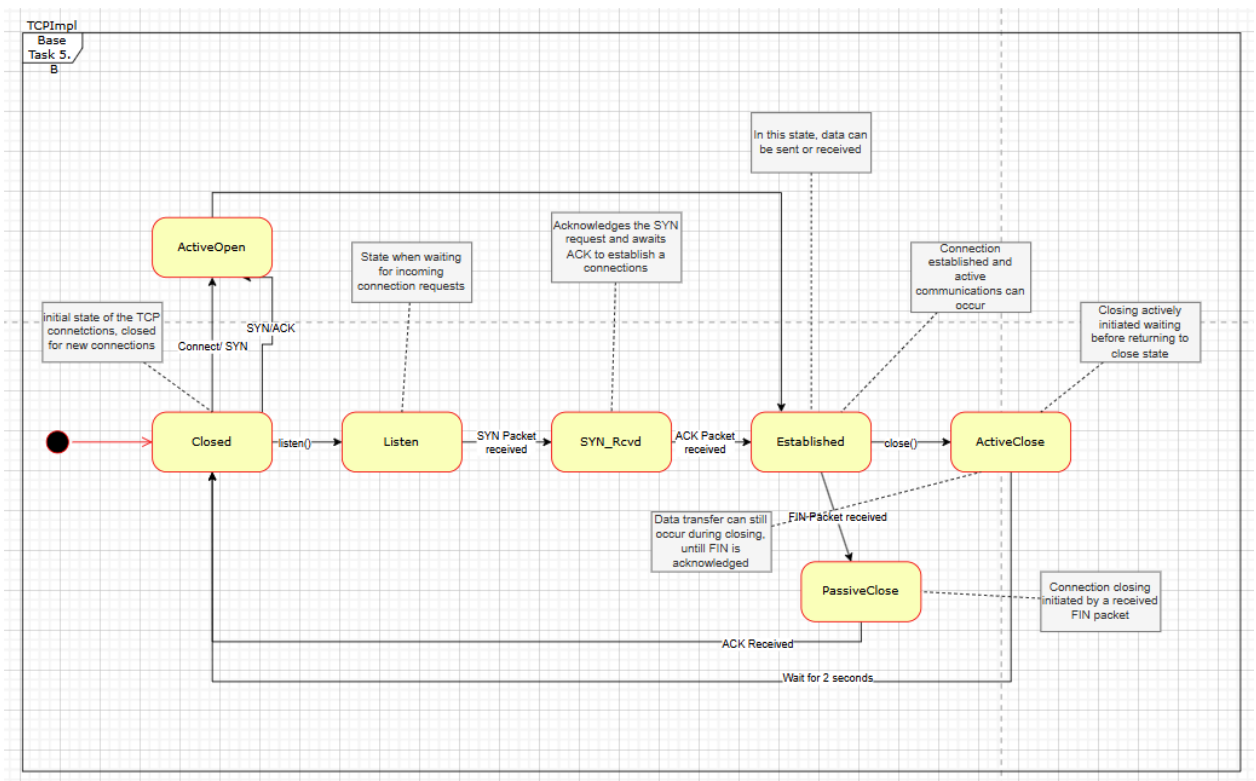


Task 5.

5.a



5.b



5.c

