

Urban Waste Collection - Review task 02

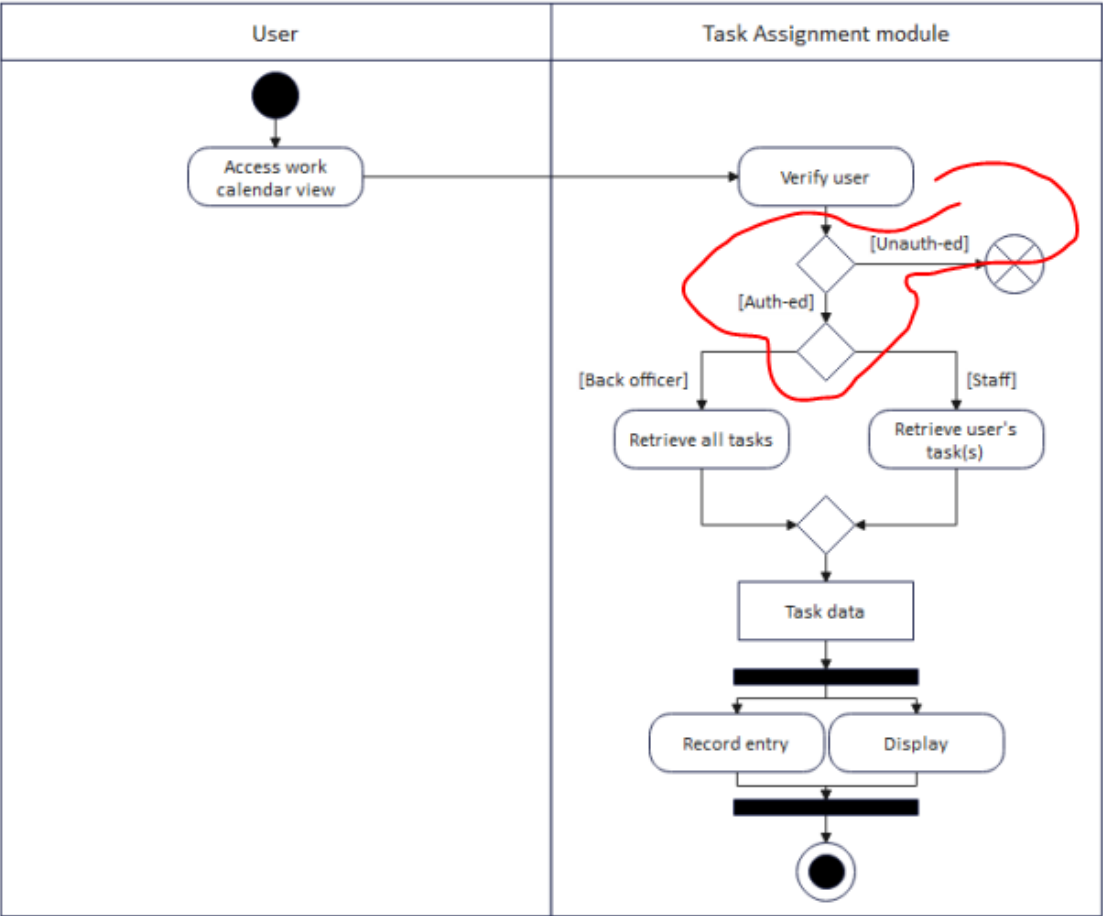
System Modelling .

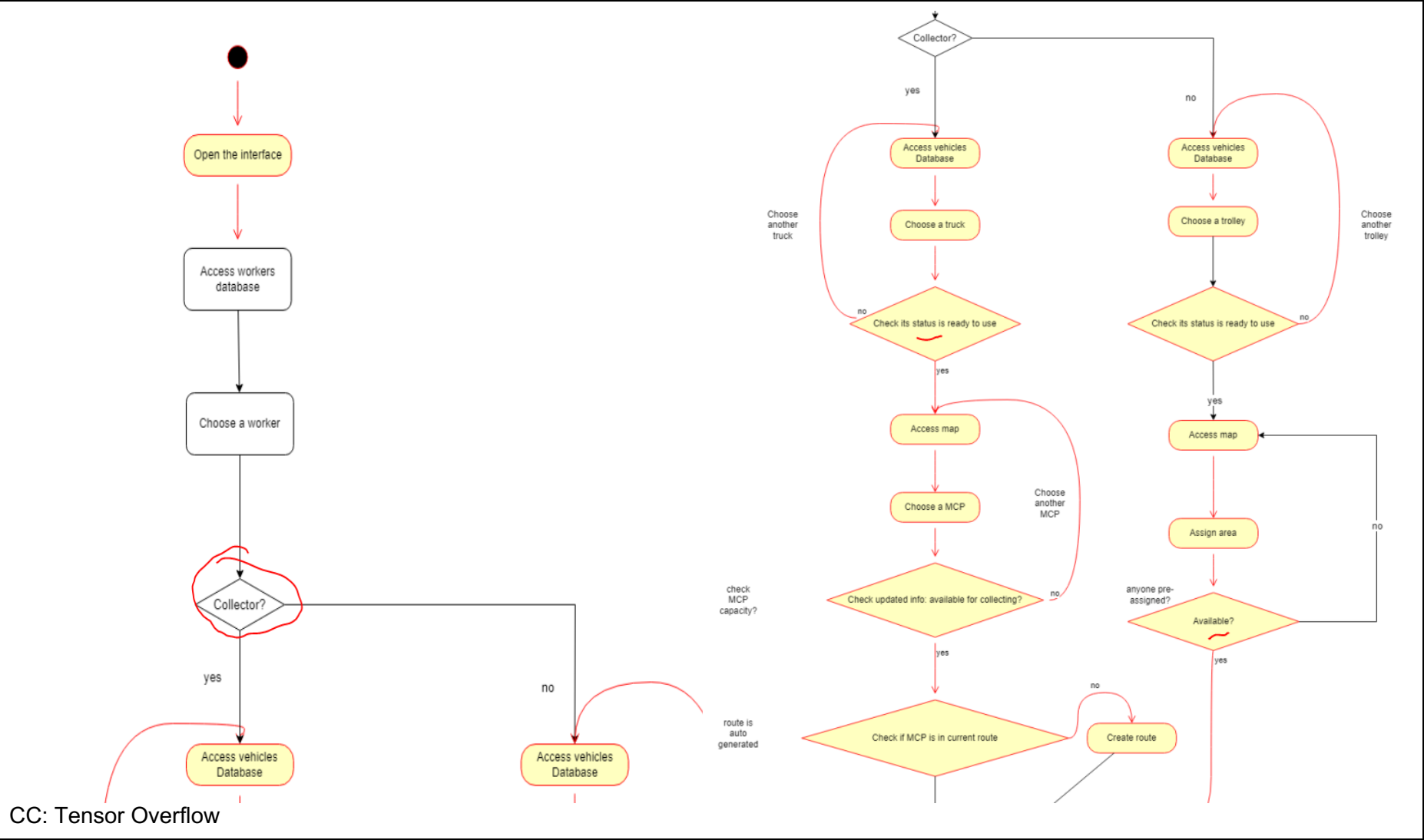
- 2.1 Draw an activity diagram to capture the business process between systems and the stakeholders in Task Assignment module
 - activity diagram
 - business process
 - task assignment module → which role, which activity,...
- 2.2 Proposal a conceptual solution for the route planning task and draw a sequence diagram to illustrate it.
 - conceptual solution - the route planning task: steps in natural language.
 - route for collecting (thu gom)
 - route for delivery (vận chuyển)
 - ..?
 - sequence diagram: which objects, actors involve, their lifeline, their methods,...
- 2.3 Draw a class diagram of Task Assignment module as comprehensive as possible
 - class diagram
 - task assignment module: which classes,

Common mistakes

| | |
|-----|--|
| 2.1 | <ul style="list-style-type: none">• Only draw diagram, no desc• name, diagram for what?• the difference between the diagrams: activity diagram, flowchart, screen flow diagram, menu chart diagram, etc.• Need to distinguish between acitivity/data object |
| 2.2 | <ul style="list-style-type: none">• Object - actor are not consistent with use-case diagram.• Wrong notation (arrow type, etc.)• A -- methodX() → B: methodX() belongs to B• lifeline, message are not logic• Should know the difference between “alt”, “opt”, “ref”,...• “alt”: if else• “opt”: if then (noel else)• ref: used when decomposing a complex diagram into multiple small ones• Some diagrams are too complicated, some others too simple |
| 2.3 | <ul style="list-style-type: none">• Use URD instead of class diagram• Class are too messy;• Only entity class without UI, controller class,,...• Relations between classes are not clear/appropriate• Diagrams given without specification.• Classes are described without methods |

Review details.





CC: Tensor Overflow

2.1. Activity Diagram for Task Assignment module

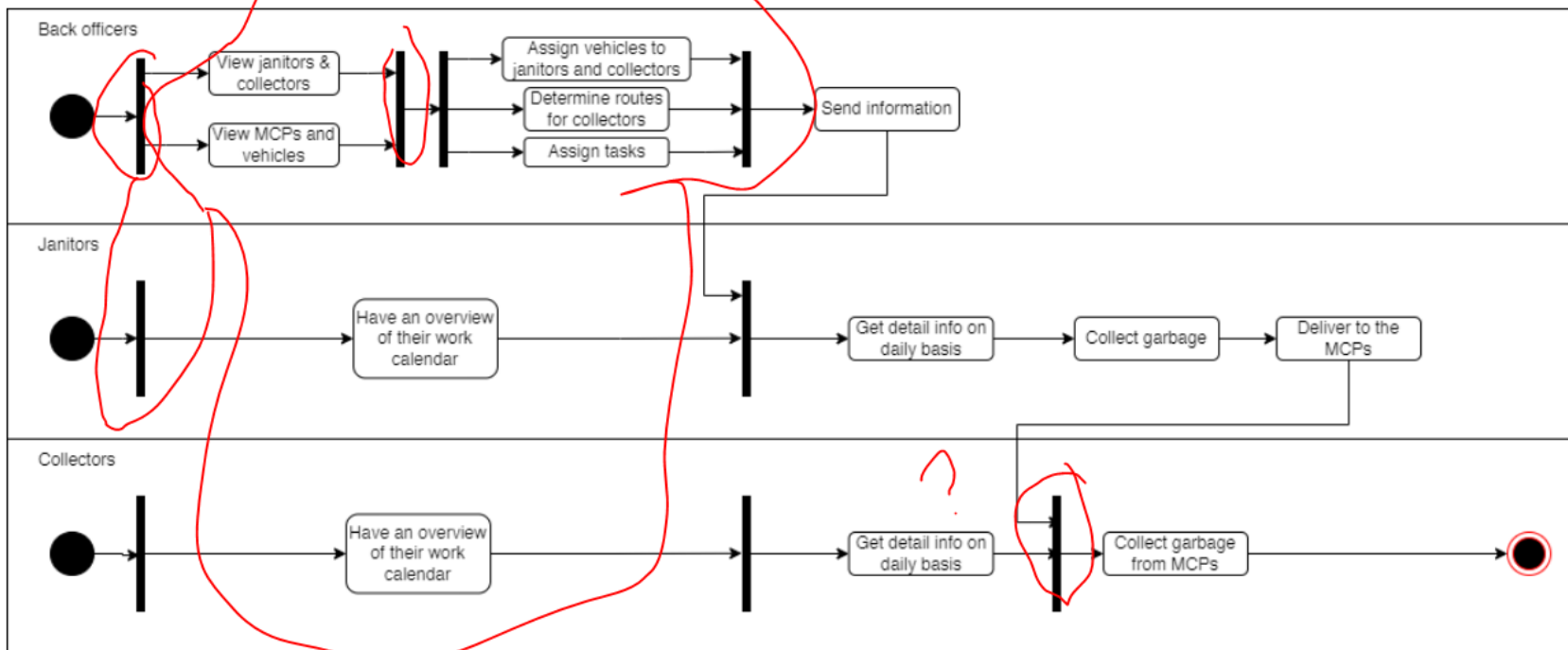
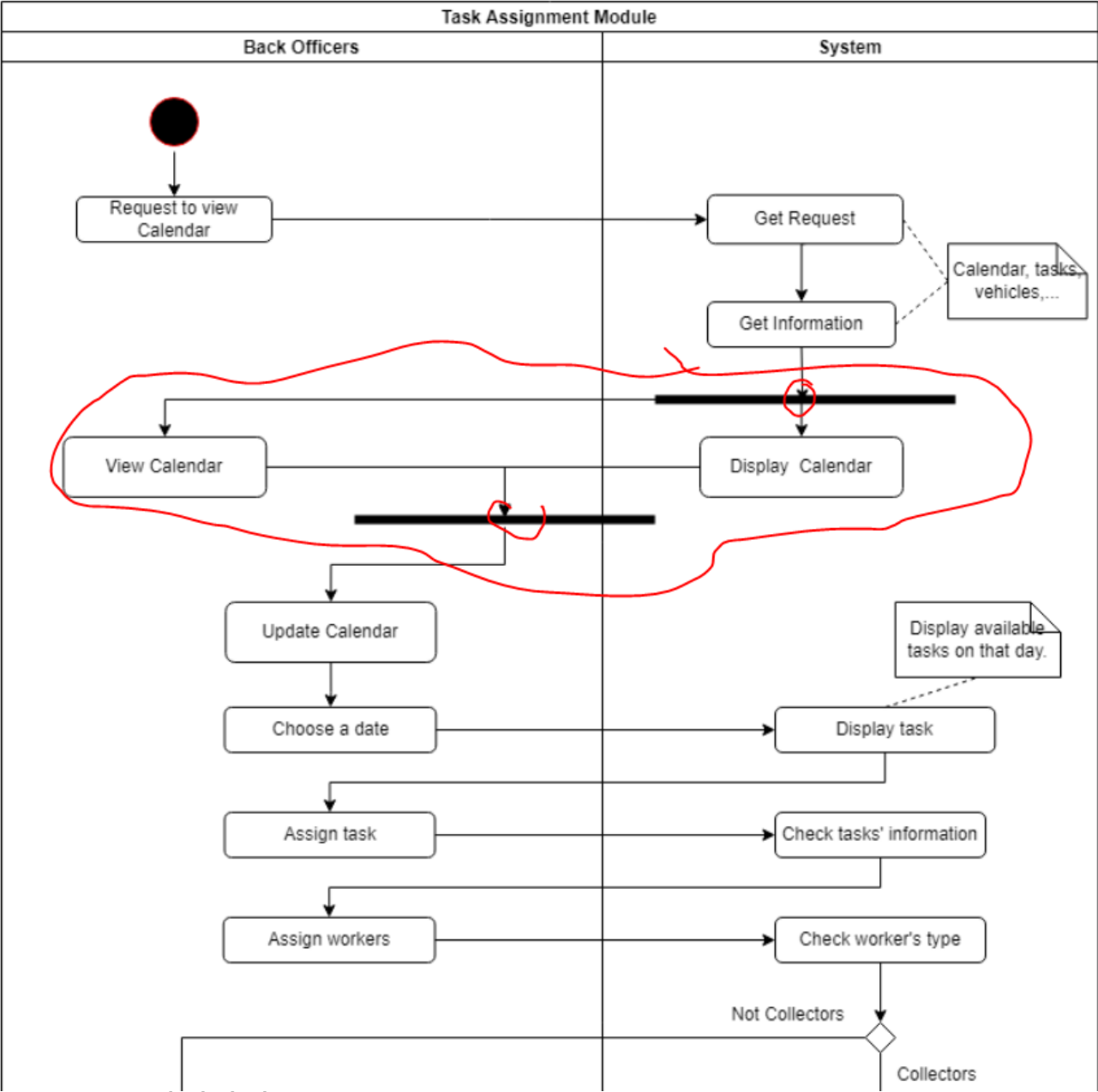
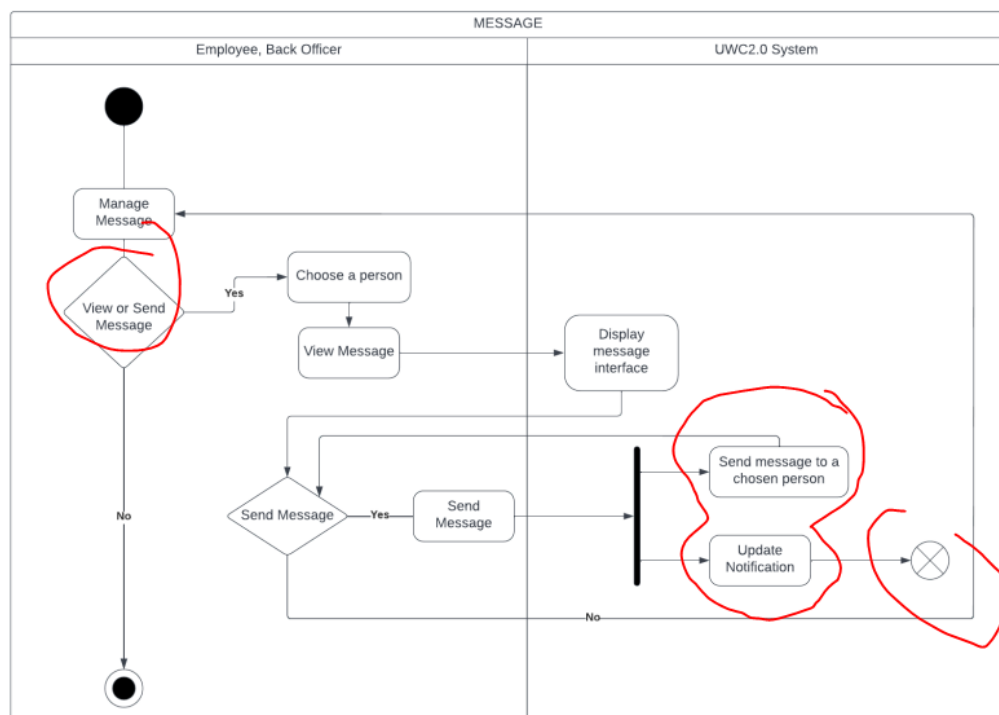
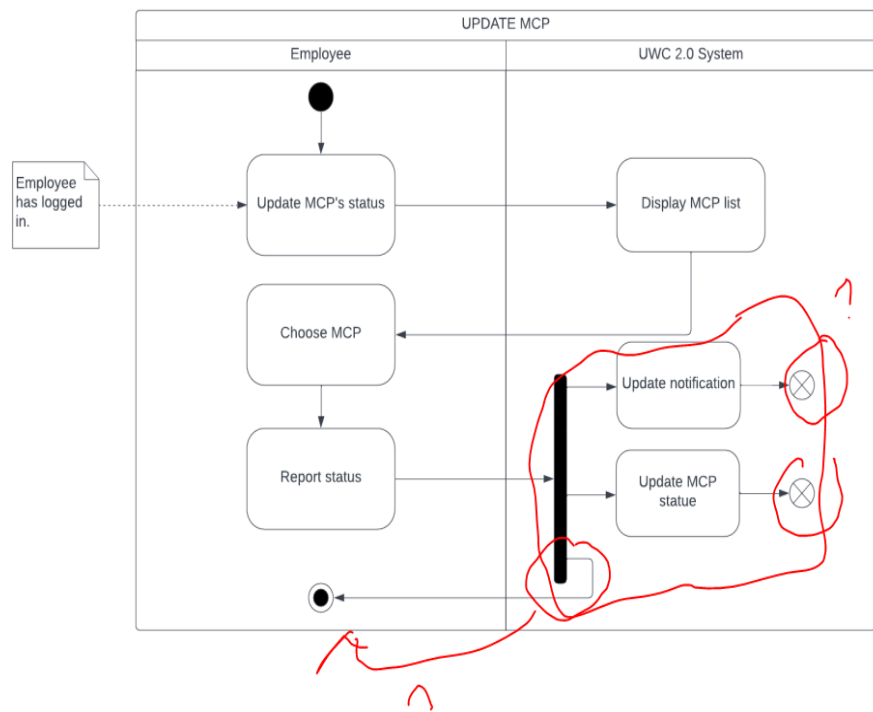


Fig. 1: Activity Diagram

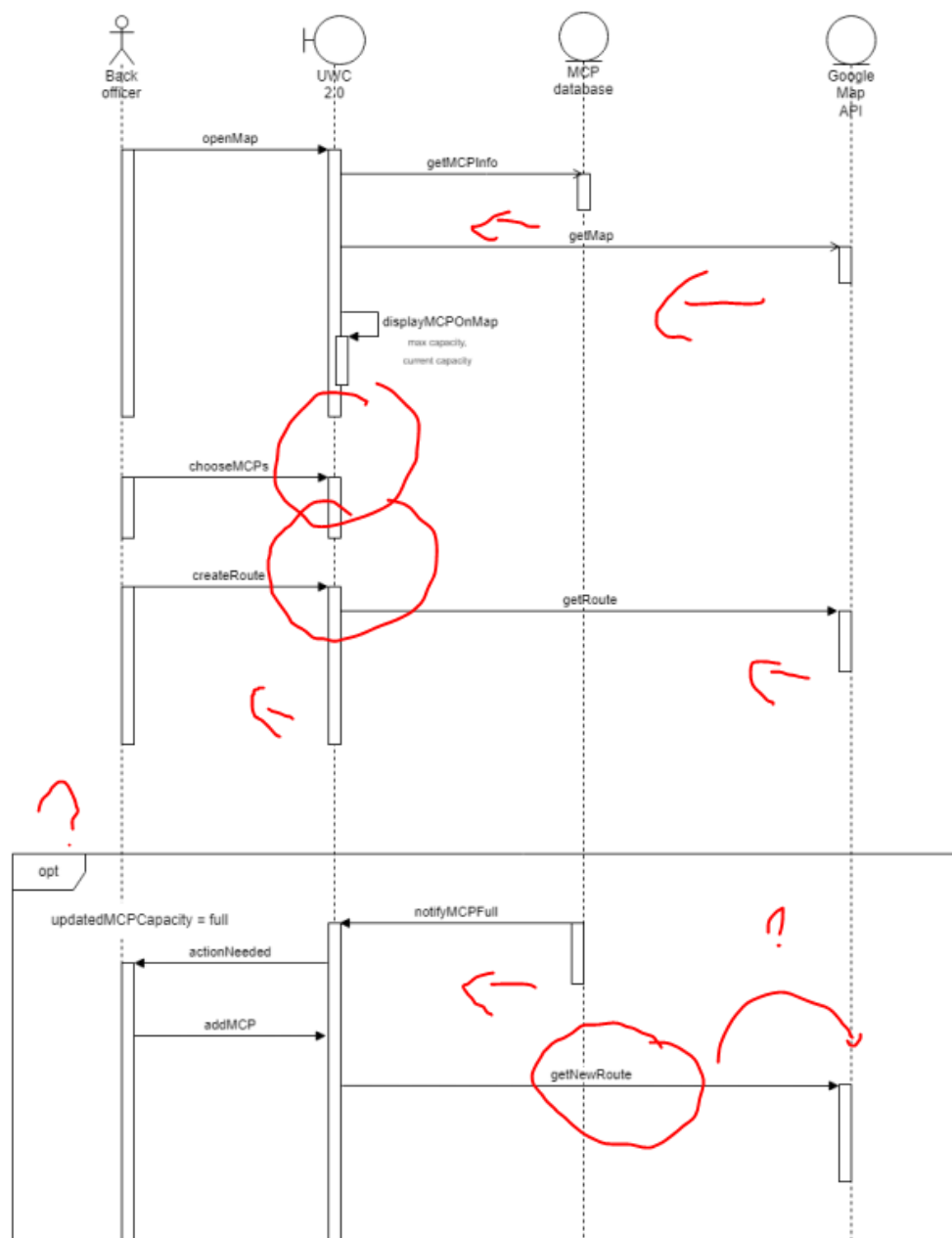
UY DIAGRAM



1.2 Update MCP

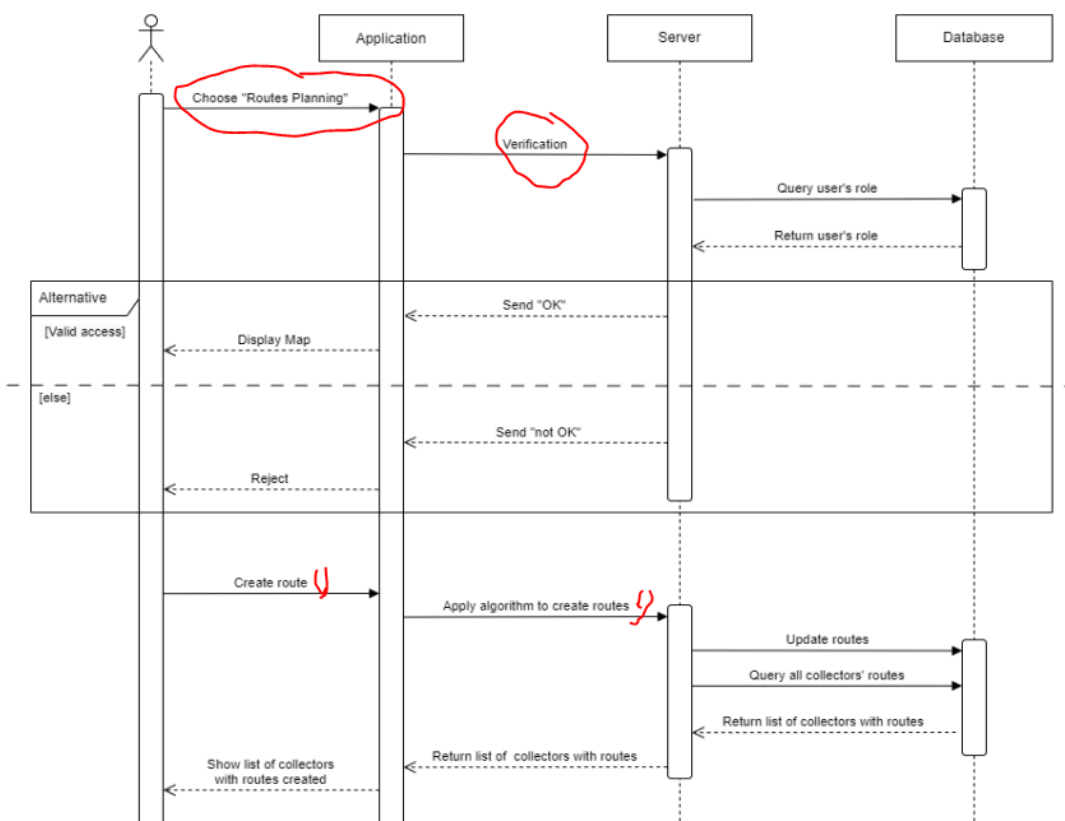
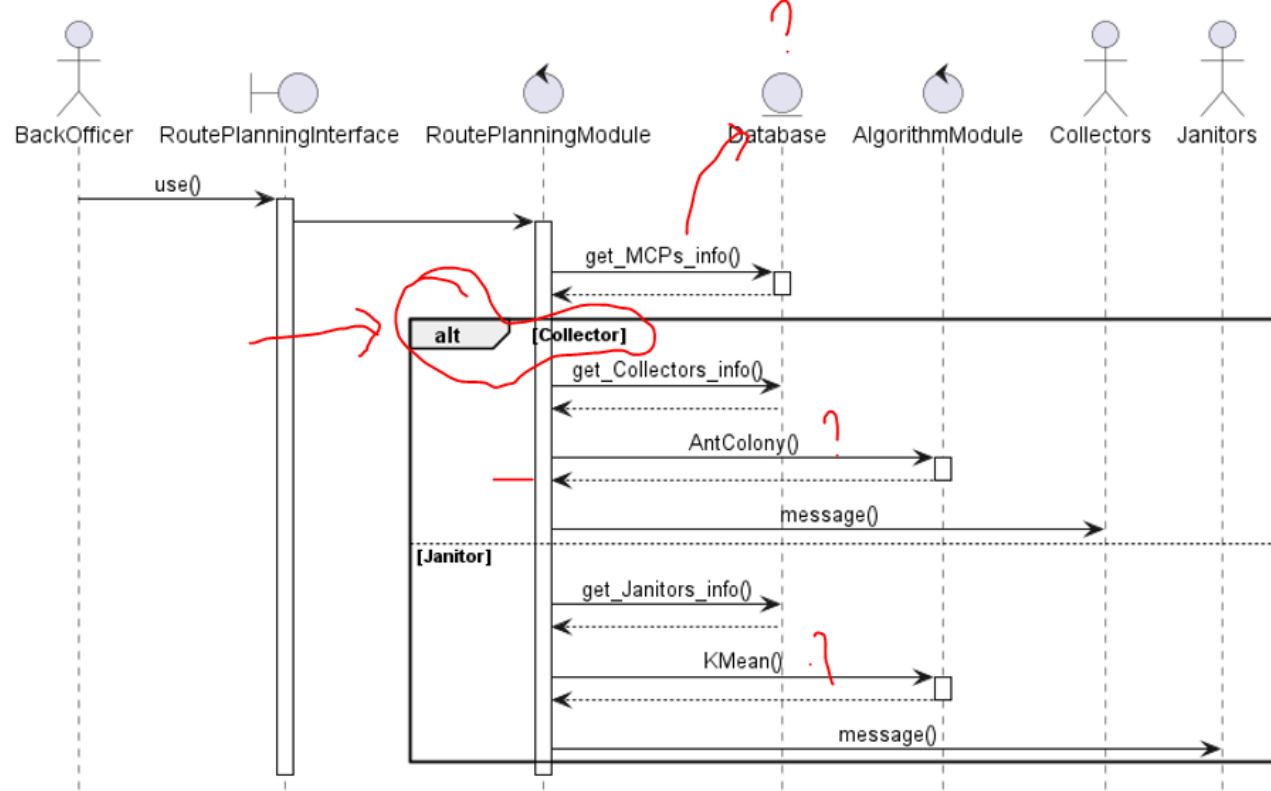


Group: QWERTY



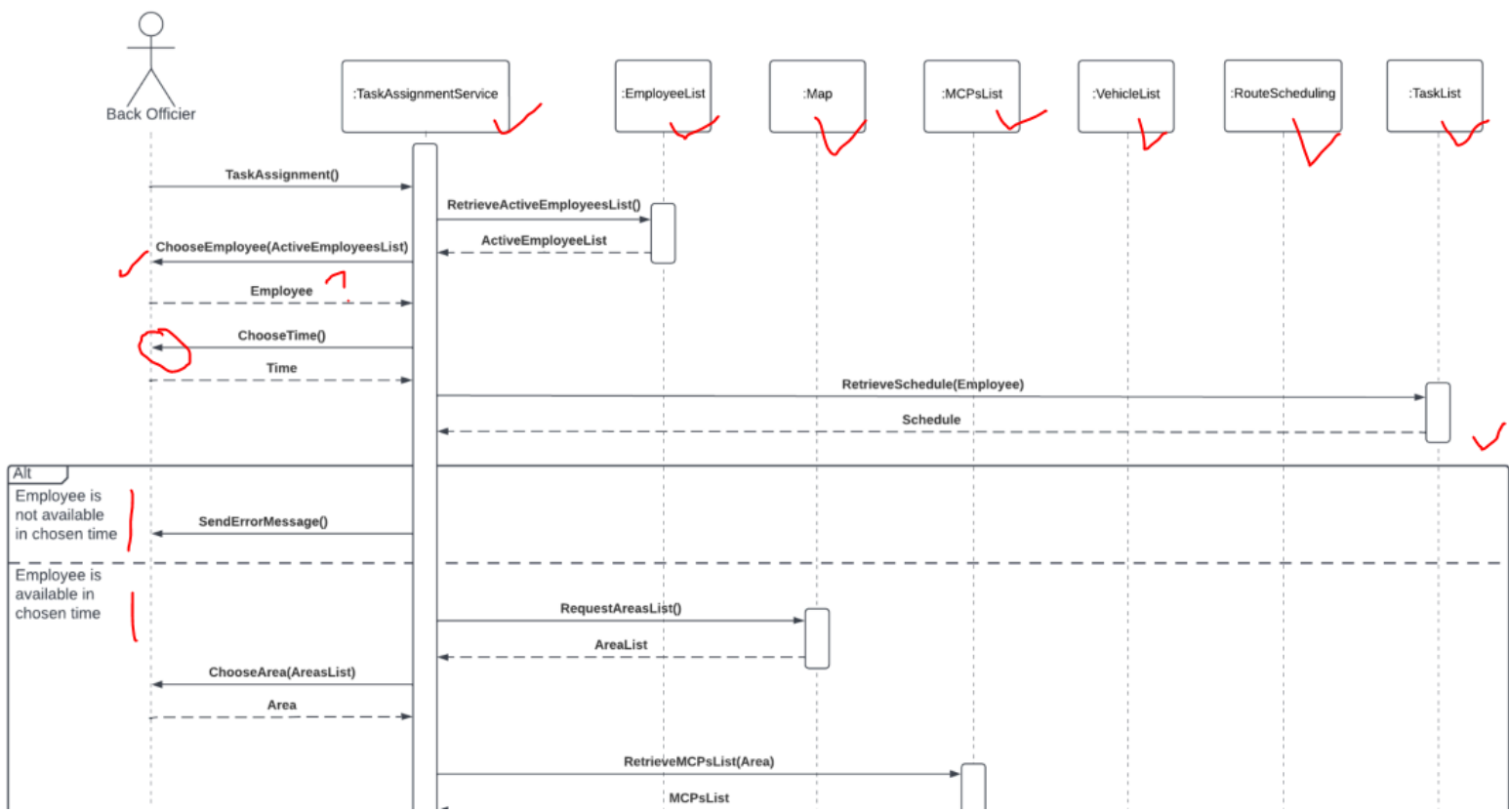
CC: Tensor Overflow

Sequence diagram:

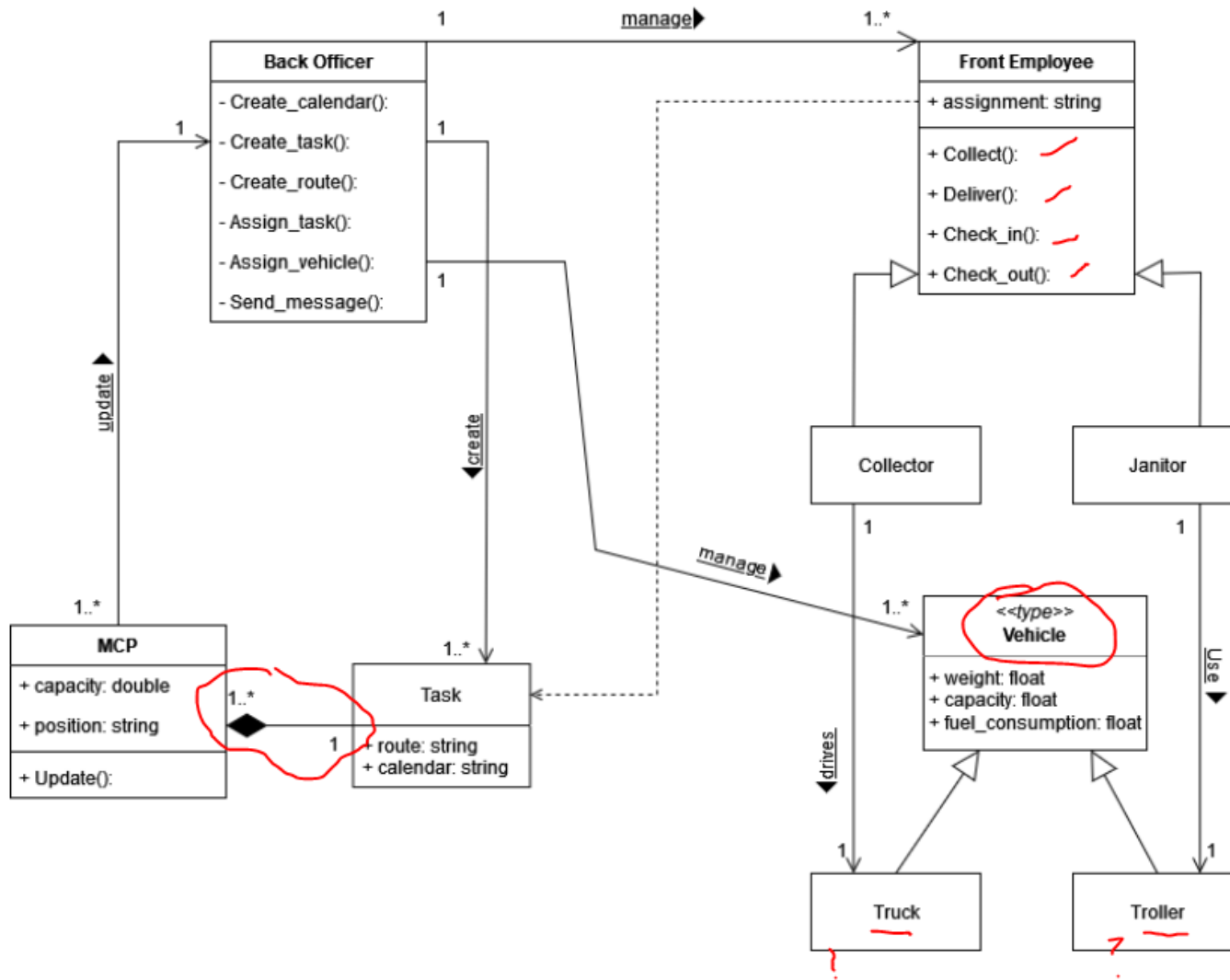


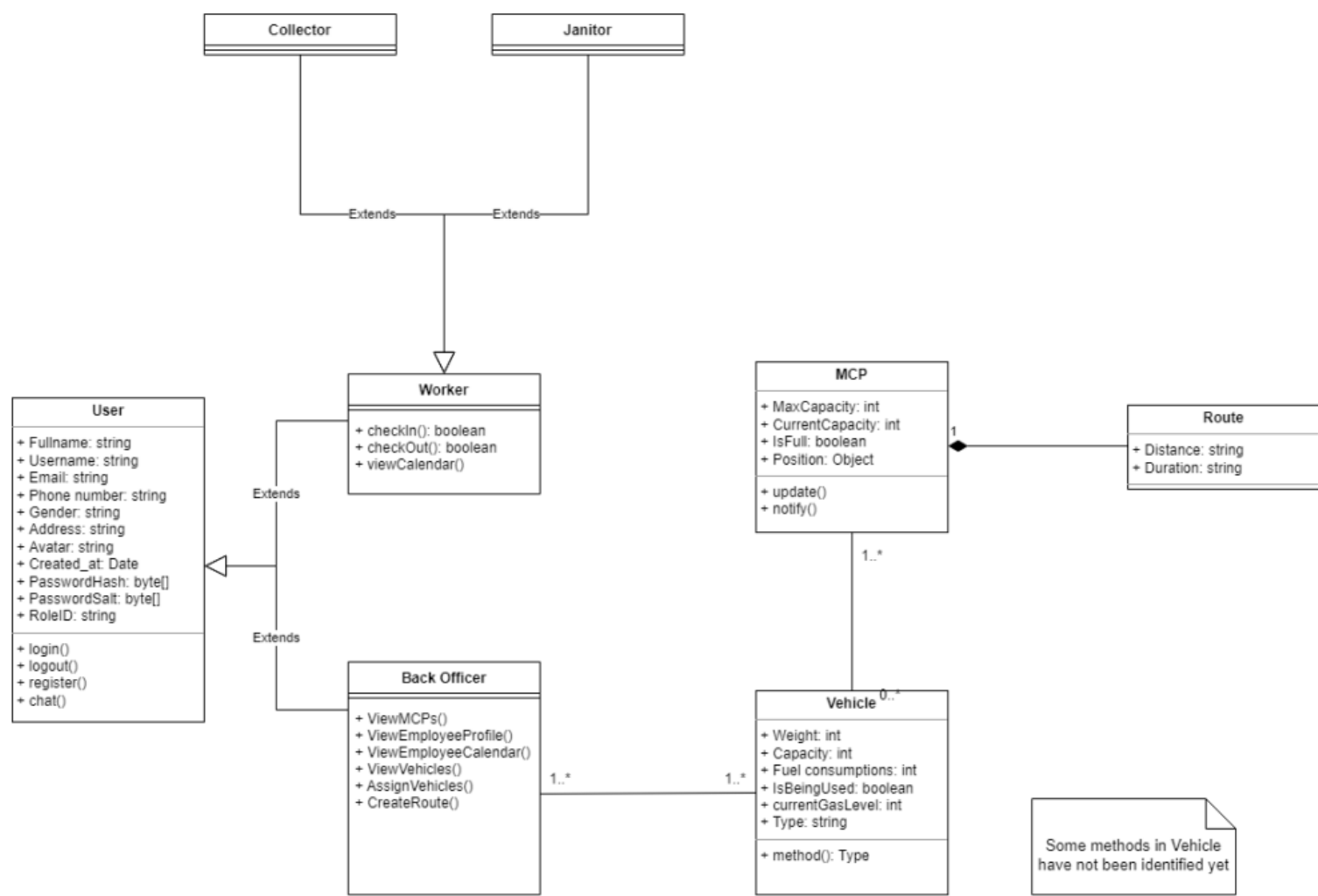
2 Sequence Diagram

Proposal a conceptual solution for the route planning task. Draw a sequence diagram to illustrate it.



2.3





Hình 3: Classes Diagram

2.3. Class Diagram of Task Assignment module

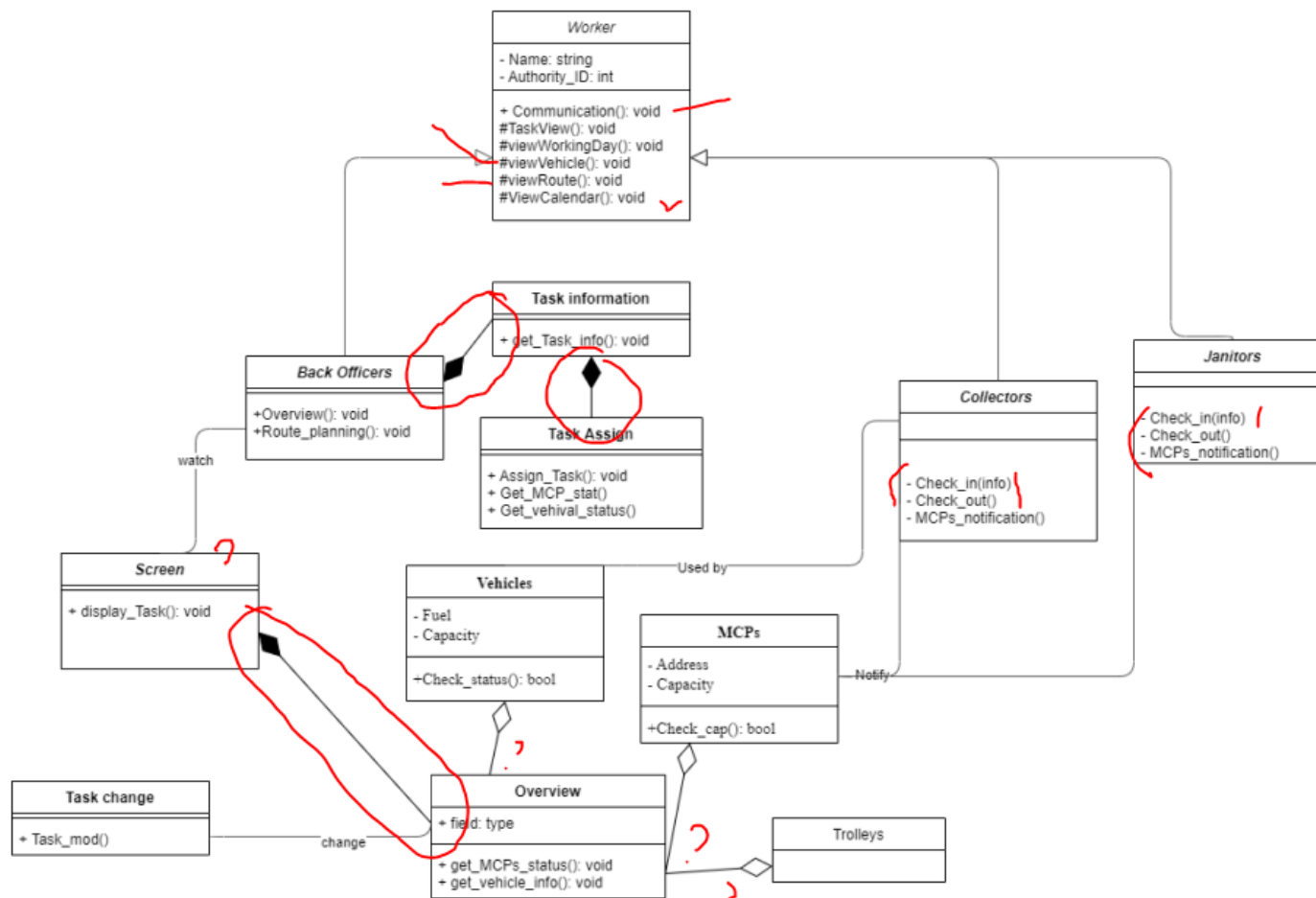


Fig. 3: Class Diagram of Task Assignment Module

