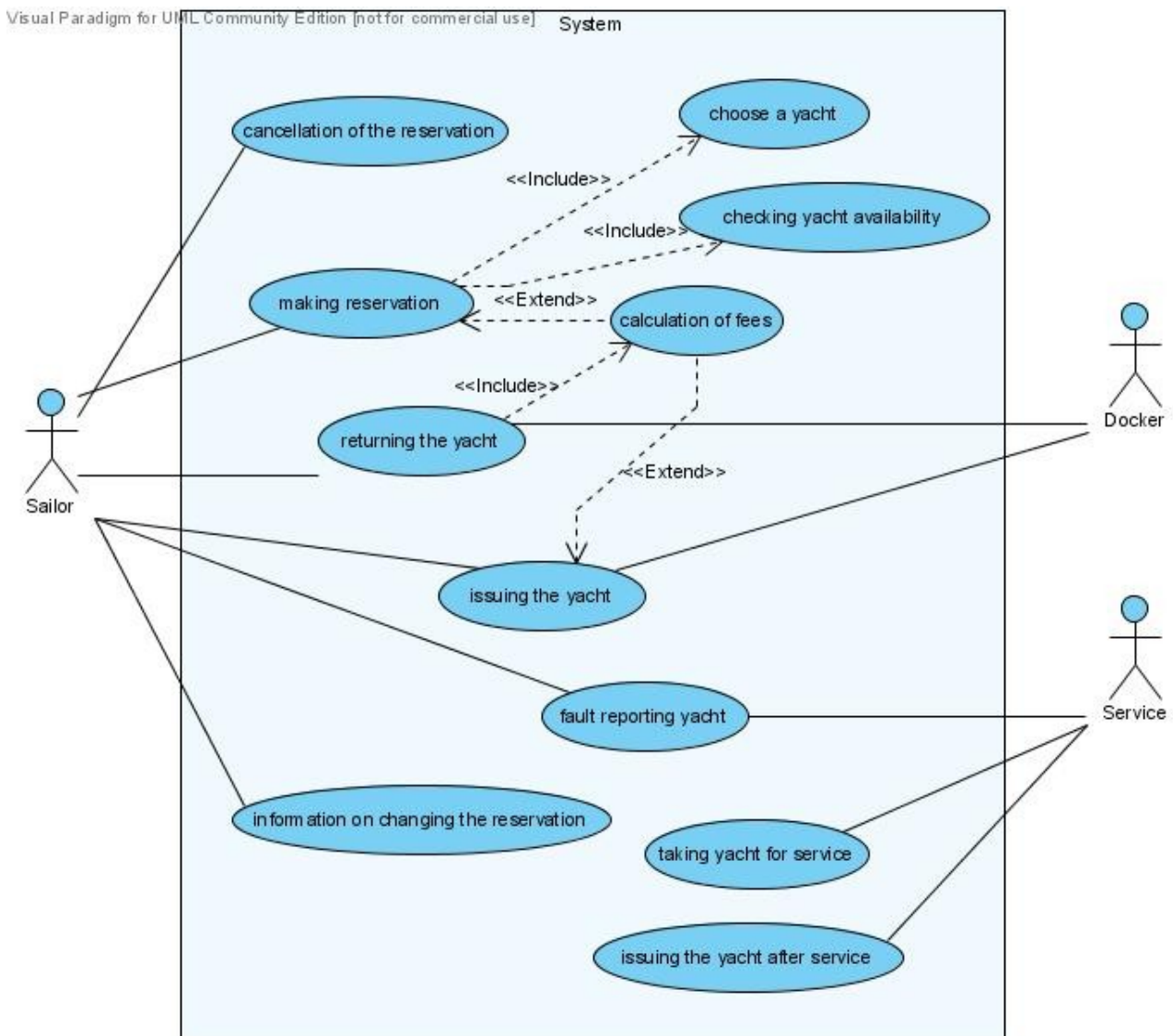


# Use case UML diagram

## Exercise

'Wigry' company engaged in charter (rental) boats for cruises on the lakes of Warmia and Mazury in recent times has developed very dynamically. In order to exploit efficiently as possible a growing base of boats, the company decided to invest in IT system supporting its core business. The system is primarily include the management of reservations and rental boats, and among other breaks associated with service of boats. Give the use case diagram of this system and describe the 2-3 selected use cases.

## Proposition of solution



description of the use case "making reservations":

1. Participating actors
  - Sailor
2. Basic flow
  - the system displays a form allowing for the making reservation,
  - Sailor enters his personal data, specifies the period for which he want to book a boat, chooses a boat (use case yacht search) and checks its availability in the given date (use case checking yacht availability), he can also calculate the charge (use case fee calculation),
  - Sailor approved reservation by clicking on "Submit" ,
  - the system verifies the completeness and accuracy of the data,
  - the system saves the data in the reservations register,
  - the system informs the operations carried out by displaying a adequate message.
3. Alternative Flows
  - a) the system finds incomplete or incorrect data
    - The system again displays a form with selected fields in which errors were found,
  - b) Sailor resigns from the making reservation by clicking on the "Cancel" button
    - the system backs to its state before the function call without making any changes,
4. Time dependencies
  - a) the frequency of execution: ~ 2-5 times a day
  - b) the anticipated stagnation: during the summer holiday period
  - c) the typical execution time: ~ 1 min
  - d) the maximum execution time: unlimited
5. Values obtained by the actors after use case finishing
  - message indicating the success or failure of the operation,
  - entry in the reservations register associated with the currently entered reservation.