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# **User Requirements Specification**

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# Participants

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Link for the Project on Gitlab:

<https://git.fhict.nl/I452279/synthesis-assignment>

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# Functional Requirements

## Employee

### Functional Requirement - M01: Add Boats

- The management can add boats to the system

### Functional Requirement - M02: View All Boats

- The management can see all the information about the boats(type, quantity, rental price .... Etc.)

### Functional Requirement - M03: Remove Boat

- The management can remove boat from the system

### Functional Requirement - M04: Add Location

- The management can add new location to the system

### Functional Requirement - M05: View All Locations

- The management can view all the needed information for a location

### Functional Requirement - M06: Edit Information about Location

- The management can update information about location

### Functional Requirement - M07: Delete Location

- The management can delete location

### Functional Requirement - M08: Add Employee

- The management can add employee to the system

### Functional Requirement - M09: View All Employees

- The management can see all the information about the employee

### Functional Requirement - M010: Delete Worker

- The management can delete worker

### Functional Requirement – M11: View All Available Boats

- The employee can view all available boats and their information

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#### **Functional Requirement - M12: Inspect Boat**

- The employee should inspect the boat after the receiving it from the customer and report if there is any damage

#### **Functional Requirement – M13: Add Item**

- The management can add boats to the system

#### **Functional Requirement – M14: View All Item**

- The management can see all the information about the Item

#### **Functional Requirement – M15: Remove Item**

- The management can remove item from the system

#### **Functional Requirement – M16: Add Rent**

- The management can add boats to the system

#### **Functional Requirement – M17: View All Rents**

- The management can see all the information about the Item

#### **Functional Requirement – M18: Update Rent**

- The management can remove boat from the system

#### **Functional Requirement – M19: Finish Rent**

- When the customer return from rent the employee can finish it

## **USE CASE**

### ***M01 – Use Case: Add Boat***

***Actor:*** Manager

***Pre-condition:*** User is logged in

***Main Success Scenario:***

- 1- The user opens the application form for adding boats
- 2- System requests for boat information



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3- The user fills in the required information and confirms

4- The new boat has been added to the system

*Extensions:*

4a. The information requirement has not been fulfilled

1- System displays an error message for missing information

2- Go to step 3

***M02 - Use case: View all information about boats***

***Actor:*** Manager

***Pre-condition:*** User is logged in

***Main success scenario:***

1- The user opens the application form for viewing the boat's information

2- The user is sent to a tab where they can view the information of the boats

***M03 – Use Case: Delete Boat***

***Actor:*** Manager

***Pre-condition:*** User is logged in

***Main Success Scenario:***

1- The user selects the boat and requests to delete it

2- The System shows a message that the boat is removed

***Extensions:***

2a. No boat selected

1- The system shows a message to inform that boat is not selected

2- Return to Step 1

***M04 – Use Case: Add Location***

***Actor:*** Manager

***Pre-condition:*** User is logged in

***Main Success Scenario:***

5- The user opens the application form for adding location

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- 6- System requests for location's information
  - 7- The user fills in the required information and confirms
  - 8- The new location has been added to the system

*Extensions:*

4a. The information requirement has not been fulfilled

- 3- System displays an error message for missing information
- 4- Go to step 3

**M05 - Use case: View all information about locations**

**Actor:** Manager

**Pre-condition:** User is logged in

*Main success scenario:*

- 3- The user opens the application form for viewing the location's information
- 4- The user is sent to a tab where they can view the information of the locations

**M06 – Use Case: Edit Location Data**

**Actor:** Manager

**Pre-condition:** User is logged in

*Main Success Scenario:*

- 1- The user opens the application form for changing an employee's information
- 2- The user selects the location and requests to update the details
- 3- The System shows a message that the data is updated successfully

*Extensions:*

2a. No location selected

- 1- The system shows a message to inform that location is not selected

Return to Step 1

**M03 – Use Case: Delete Location**

**Actor:** Manager

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***Pre-condition:*** User is logged in

***Main Success Scenario:***

- 3- The user selects the location and requests to delete it
- 4- The System shows a message that the location is removed

***Extensions:***

2a. No boat selected

- 3- The system shows a message to inform that location is not selected
- 4- Return to Step 1

### ***M08 – Use Case: Add Employee***

***Actor:*** Manager

***Pre-condition:*** User is logged in

***Main Success Scenario:***

- 9- The user opens the application form for adding employees
- 10- System requests for employee information
- 11- The user fills in the required information and confirms
- 12- The new employee has been added to the system

***Extensions:***

4a. The information requirement has not been fulfilled

- 5- System displays an error message for missing information
- 6- Go to step 3

### ***M08 - Use case: View all information about employees***

***Actor:*** Manager

***Pre-condition:*** User is logged in

***Main success scenario:***

- 5- The user opens the application form for viewing the employees' information
- 6- The user is sent to a tab where they can view the information of the employees



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### ***M09– Use Case: Delete Worker***

**Actor:** Manager

**Pre-condition:** User is logged in

***Main Success Scenario:***

- 5- The user selects the worker and requests to delete it
- 6- The System shows a message that the worker is removed

***Extensions:***

2a. No boat selected

- 5- The system shows a message to inform that worker is not selected
- 6- Return to Step 1

### ***M10 - Use case: View all available boats***

**Actor:** Employee

**Pre-condition:** User is logged in

***Main success scenario:***

- 7- The user is sent to the “Employee Tab”
- 8- The user opens the application form for viewing the available boats

### ***M11 - Use case: Inspect returned boat***

**Actor:** Employee

**Pre-condition:** User is logged in

***Main success scenario:***

- 9- The user is sent to the “Employee Tab”
- 10- The system opens the tab where the user can see all previous inspections
- 11- The user opens the tab where he/she wants to add new Inspection
- 12- The system requires for some details
- 13- The user fills them

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14- The system adds the new inspection to the system

### ***M12 – Use Case: Add Item***

***Actor:*** Manager

***Pre-condition:*** User is logged in

#### ***Main Success Scenario:***

- 13- The user opens the application form for adding **Item**
- 14- System requests for **Item** information
- 15- The user fills in the required information and confirms
- 16- The new **Item** has been added to the system

#### ***Extensions:***

4a. The information requirement has not been fulfilled

- 7- System displays an error message for missing information
- 8- Go to step 3

### ***M13 - Use case: View all information about Item***

***Actor:*** Manager

***Pre-condition:*** User is logged in

#### ***Main success scenario:***

- 15- The user opens the application form for viewing the Item information
- 16- The user is sent to a tab where they can view the information of the Items

### ***M014– Use Case: Delete Item***

***Actor:*** Manager

***Pre-condition:*** User is logged in

#### ***Main Success Scenario:***

- 7- The user selects the Item and requests to delete it
- 8- The System shows a message that the Item is removed

#### ***Extensions:***

2a. No boat selected

- 7- The system shows a message to inform that Item is not selected

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8- Return to Step 1

***M15 – Use Case: Add Rent***

***Actor:*** Manager

***Pre-condition:*** User is logged in

***Main Success Scenario:***

- 17- The user opens the application form for adding Rent
- 18- System requests for Rent information
- 19- The user fills in the required information and confirms
- 20- The new Rent has been added to the system

***Extensions:***

4a. The information requirement has not been fulfilled

- 9- System displays an error message for missing information
- 10- Go to step 3

***M16 - Use case: View all information about Rent***

***Actor:*** Manager

***Pre-condition:*** User is logged in

***Main success scenario:***

- 17- The user opens the application form for viewing the Rent information
- 18- The user is sent to a tab where they can view the information of the Items

***M017– Use Case: End Rent***

***Actor:*** Manager

***Pre-condition:*** User is logged in

***Main Success Scenario:***

- 9- The user selects the Rent and requests to end it
- 10- The System shows a message that the Item is ended

***Extensions:***

2a. No boat selected

- 9- The system shows a message to inform that Rent is not selected
- 10- Return to Step 1