

UC-SSF-0406: New fishing operation

Warning

As we are currently in the planning phase, please be aware that there may be changes to the use cases. Adjustments or revisions may occur as the project progresses.

1. Use Case Description

This use case describes the process where a small-scale **fisher records multiple fishing operations within a single trip** using the Small Scale Fisheries Application. Multiple fishing operations could involve different fishing techniques, locations, or target species, and accurate recording of these operations is essential for regulatory compliance and resource management.

1.1. Goal

This detailed use case covers the steps involved in logging multiple fishing operations within a single trip in the Small Scale Fisheries Application, including handling scenarios where users encounter errors in the process.

1.2. Pre-conditions

1. Fisher has **encoded the catch** and **has added discarded and sensitive species** of previous fishing operation.
2. Fisher **has initiated the fishing operation** and left it pending and wants to initiate of **new fishing operation**.

1.3. Post-conditions

1. The fisher has initiated **new fishing operation**.
2. Fisher has successfully made changes to previous fishing operations.
3. Application displays the list of fishing operations.

1.4. Trigger Event(s)

1.4.1. Primary Actor:

1. Fisher

1.4.2. Secondary Actor(s):

1. Application

2. Use Case Details

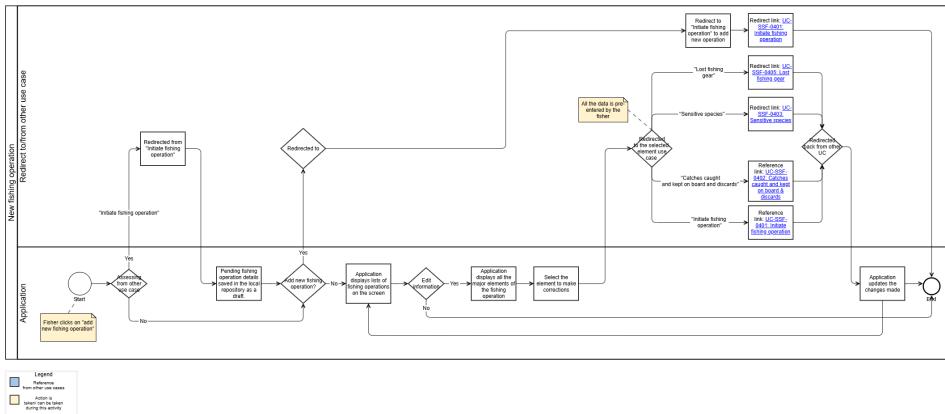


In the activity diagram below:

References from other use cases are marked in "BLUE"

Action is taken or can be taken during this activity are marked in "YELLOW"

2.1. Activity Diagram



2.2. Primary Path

Step ID	Actor	Action	Notes and References
PF-1	Fisher	The flow is triggered when fisher clicks on add new fishing operation.	
PF-2	Application	Checks if accessing from another other use case. If no	AF-1: Accessing from "Initiate fishing operation"
PF-3	Application	Application asks to add new fishing operation .	
PF-4	Fisher	Does not wishes to add new fishing operation and clicks no .	AF-2: Add new fishing operation
PF-5	Application	Application auto calculates total number of fishing operations conducted and displays list of fishing operations on the screen.	
PF-6	Application	Asks if fisher want to edit information, if no then flow ends.	AF-3: Edit information

2.3. Alternative Path(s)

2.3.1 AF-1: Accessing from "Initiate fishing operation"

Step ID	Actor	Action	Notes and References
AF-A1	Application	The entry point is PF-4 of Primary Flow.	
AF-A2	Application	This alternative flow is executed if "New fishing operation" use case is accessing from "Initiate fishing operation" use case.	
AF-A3	Application	Saves the details of previously initiated fishing operation in local repository/mobile.	
AF-A4	Application	Then application redirects to PF-3 of primary path and all the steps are followed. This ends the alternate flow.	PF-3 of primary path

2.3.2 AF-2: Add new fishing operation

Step ID	Actor	Action	Notes and References
AF-A1	Application	The entry point is PF-4 of Primary Flow.	
AF-A2	Fisher	This alternative flow is executed when fisher selects yes to proceed.	
AF-A3	Application	Redirects to "Initiate fishing operation" use case to add new fishing operation and all the steps are followed. This ends the alternate flow.	UC-SSF-0401: Initiate/Retrieve fishing operation

2.3.3 AF-3: Edit information

Step ID	Actor	Action	Notes and References
AF-A1	Application	The entry point is PF-6 of Primary Flow.	
AF-A2	Fisher	This alternative flow is executed when fisher selects yes to proceed.	

AF-A3	Application	Application displays all the major elements of the fishing operation.	
AF-A4	Fisher	Fisher selects the element for which the changes are required to be done.	
AF-A5	Application	Application redirects to the selected element use case with pre-filled data.	<p>Depending upon the selection done by the fisher to make changes, application redirects to the following use cases:</p> <ul style="list-style-type: none"> • UC-SSF-0401: Initiate/Retrieve fishing operation • UC-SSF-0402: Catches caught and kept on board & discards • UC-SSF-0403: Sensitive species • UC-SSF-0405: Lost fishing gear
AF-A6	Application	Once all the changes are done, application redirects back to the "New fishing operation" use case.	
AF-A7	Application	Updates the changes made by fisher.	
AF-A8	Application	Then application returns to PF-5 of primary path and all the steps are followed. This ends the alternate flow.	PF-5 of primary path

2.4. Exception Path(s)

3. Use Case Realisation

3.1 Data attributes



Warning

Under progress

Column Name	LV Objects	SSF Objects	Data Type	Short Description	Notes or Comments
multiple_fishing_operation		No information	string		
calculate_total_fishing_operations		not defined	string		
unique_id		not defined	string		

3.2 Data Model

3.3 Pseudocode

3.4 User Interface

4. Impact and Risks

4.1. Impact

4.2. Risks

5. Test Cases