UC-SSF-0701: Submit logbook

> ⊙ **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 submits their fishing logbook** using the Small Scale Fisheries Application. The logbook typically contains records of the fishing trip, including catch details, fishing gear used, location data, and vessel activity. Submitting the logbook is essential for regulatory compliance and for authorities to track fishing activities.

1.1. Goal

This detailed use case outlines the steps for submitting a logbook in the Small Scale Fisheries Application, including how to handle scenarios such as review and edit log, system errors, cancel and deletion of data and submission of logbook.

1.2. Pre-conditions

1. Fisher has **reported lost fishing gear.**
2. Fisher has **conducted multiple fishing operations** (if any), details are added to fishing activity report along with catch details, discarded species, sensitive species, fishing duration and lost fishing gear.

1.3. Post-conditions

1. The **catch data is successfully submitted** and sent to FMC for validation.
2. In case of **cancel submission and deletion, data** is deleted from the records.

1.4. Trigger Event(s)

1.5. Primary Actor:

1. Fisher

1.6. Secondary Actor(s):

1. Application
2. FMC

2. Use Case Detail
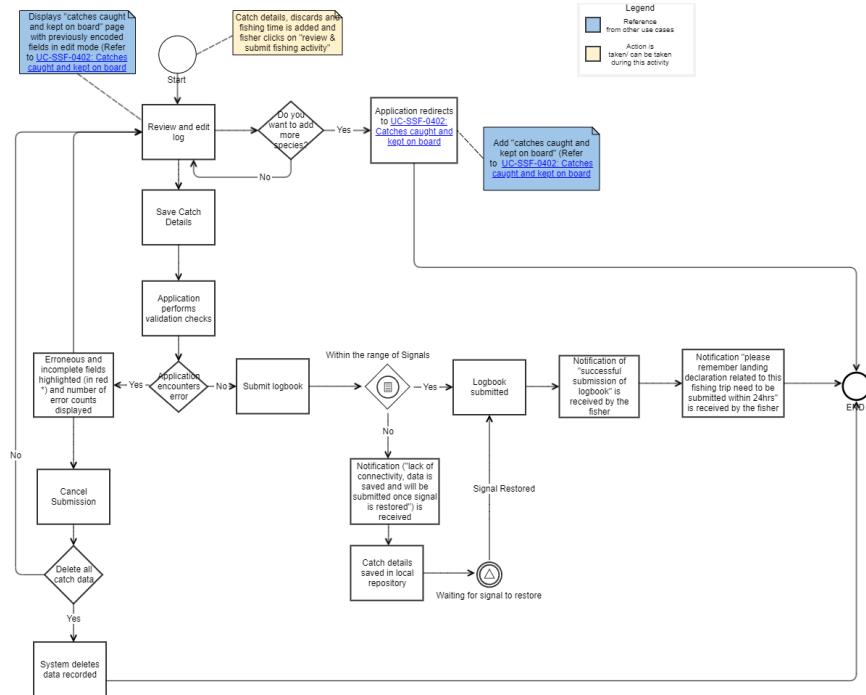
> ⓘ **In the activity diagram below:**
>
> References form other use cases are marked in "BLUE"
>
> Action is taken or can be taken during this activity are marked in "YELLOW"

2.1. Activity Diagram

2.2. Primary Path

Step ID	Actor	Action	Notes and References
PF-1		The flow is triggered after adding the catch details, discarded & sensitive species and fishing time.	
PF-2	Fisher	Fisher clicks on review and submit fishing activity.	
PF-3	Application	Application ask to **review and edit the log** and also asks to **add more species.**	AF-1: Add more species
PF-4	Fisher	Fisher does not want to add more species, fisher reviews and edits by doing necessary changes.	
PF-5	Application	Application displays the icon of **save catch details.**	
PF-6	Fisher	Fisher clicks on save catch details.	
PF-7	Application	To maintain integrity of data, application performs **validation checks**.	AF-2: Application encounter error
PF-8	Application	During checking application does not encounter any error.	
PF-9	Application	Application displays the icon of submit logbook.	
PF-10	Fisher	Fisher clicks on submit logbook icon.	
PF-11	Application	The application **verifies that the input signals** fall within the specified range.	AF-3: Within the range of signals
PF-12	Application	After the verification is successful, logbook is submitted.	
PF-13	Application	Upon successful submission, the fisher receives a notification "**successful submission of logbook**".	
PF-14	Application	Notification "**please remember landing declaration related to this fishing trip need to be submitted within 24hrs**" is received by the fisher.	

2.3. Alternative Path(s)

2.3.1 AF-1: Add more species

Step ID	Actor	Action	Notes and References
AF-A1		The entry point is PF-3 of the primary flow.	
AF-A2	Application	Application asks fisher to do you want to add more species?	
AF-A3	Fisher	Fisher wants to add more species and selects yes.	
AF-A4	Application	Application redirects to use case UC-SSF-0402: Catches caught and kept on board & discards. This ends the alternate path.	Redirects to use case **UC-SSF-0402: Catches caught and kept on board & discards.**

2.3.2 AF-2: Application encounter error

Step ID	Actor	Action	Notes and References
AF-A1		The entry point is PF-7 of the primary flow.	
AF-A2	Application	To maintain integrity of data, application performs validation checks.	
AF-A3	Application	During checking **application encounters error.**	
AF-A4	Application	Application opens review and edit page **highlighting the incomplete or erroneous fields** (in red) and displays an error message with number of error counts. .	**EF-1: Cancel submission**
AF-A5	Fisher	Fisher corrects the highlighted fields according to the error displayed.	
AF-A6	Application	Then application returns to PF-5 of primary path and flow ends.	**PF-5 of primary path**

2.3.3 AF-3: Within the range of signals

Step ID	Actor	Action	Notes and References
AF-A1		The entry point is PF-11 of the primary flow.	
AF-A2	Application	The application verifies that the **input signals does not fall within the specified range**.	
AF-A3	Application	The application detects the lack of connectivity and displays a warning message "**lack of connectivity, data is saved and will be submitted once signal is restored**".	
AF-A4	Application	The application stores the catch details in the local repository and queues it for submission once the connection is restored.	
AF-A5	Application	The application **wait for the signals to restore** and automatically retries submission periodically.	
AF-A6	Application	Once the signals are restored then application returns to PF-9 of primary path, all the steps till PF-14 are followed and flow ends.	**PF-9 of primary path**

2.4. Exception Path(s)

2.4.1 EF-1: Cancel submission
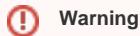
Step ID	Actor	Action	Notes and References
EF-A1		The entry point is AF-A4 of alternate flow AF-1.	
EF-A2	Application	The application highlights the incomplete or erroneous fields (in red) and displays an error message with number of error counts.	
EF-A3	Fisher	Fisher does not wishes to correct the erroneous fields and clicks on **cancel submission** icon.	
EF-A4	Application	Application asks to delete all the catch data.	**EF-2: Delete all catch data**
EF-A5	Fisher	Fisher does not wishes to delete the data and clicks no.	
EF-A6	Application	Then application returns to PF-3 of primary path, all the steps till PF-14 is followed and flow ends.	**PF-3 of primary path**

2.4.2 EF-2: Delete all catch data

Step ID	Actor	Action	Notes and References
EF-A1		The entry point is EF-A4 of exception path EF-1.	
EF-A2	Application	Application asks to **delete all the catch data.**	
EF-A3	Fisher	Fisher wishes to delete all the catch data and clicks on yes.	
EF-A4	Application	Application **deletes the data recorded**. This ends the exceptional flow.	

3. **Use Case Realisation**

3.1. Data Attributes

> ⊘ **Warning**
>
> Under progress

Column Name/Attributes	Type	Short Description	Notes	Comments

3.2. Data Model

3.3. Pseudocode

3.4. User Interface

4. **Impact and Risks**

4.1. Impact

4.2. Risks

5. **Test Cases**