

FishEye on Blockchain

Requirement documentation

Version 2.0

This document is based on Kravdokumentasjon from NTNU. Revision, customizations and adaptations to use at IDER, DATA-INF done by Carsten Gunnar Helgesen, Svein-Ivar Lillehaug and Per Christian Engdal. The document is also available in Norwegian.



REVISION HISTORY

Date	Version	Description	Author
27.02.2022	1.0	Initial Use case and Conceptual UML Class diagrams created and discussed. The role of the User is being announced.	Arsenii Dmitriev, Karl Gjølshjøl
04.05.2022	2.0	Domain Model remade according to the received feedback.	Arsenii Dmitriev, Karl Gjølshjøl



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1 INTRODUCTION

This document is a description of the functional requirements. Our research will involve multiple software systems making the term “user” relative to the corresponding system layer.

2 Model

The Domain Model below represents all the relationships between objects used in the project.

Fish Farm – an object in the model that produces fish and uses Ørn System to manage data and supply chain.

Slaughter – a domain that catches wild fish and uses Ørn System the same way as fish farms.

Ørn Software is aiming for the Ørn System product which is the application layer for the API. The system is intended to manage the supply chain transparently, ensuring complete data integrity.

Logistics – indirectly affected actor involved in the data management process via Ørn System.

Distributor – the party responsible for selling the products and is also involved in the data management process.

The end Customer – is the one consuming a product. The end customer may interact with Ørn System to learn the information about the product.

