Vision:
Problem: No control system for “The dolfin swim club”.

Glossary:

CSV	Comma separated values
Credentials	Personal information
Kontingent	A fee to be a member of something.
Keyboard	Input device
Cashier	Financial member
Chairman	Leading member
Trainer	Coaching member
Database	A collection of CSV files used by the system and the staff
Prospective member	A new potential member of the dolfin swim club
Duplicate entry	When a member already exists in the database
Promt	The cashier can promt chairman, if a member has not paid contingent on time.

Antagelser:

1. There can only be one chairman.
2. The system is not accessible for normal members.
3. The activity diagram is a guiding diagram for the system logic.
4. It is a requirement to be a member to be employed at the swim club.
5. The system is not internet focused, and focus on banking.

Afgrænsning:
The System is only for the Cashier, Chairman and trainer and because of that there is not any scheme in the system since it wasn’t requested by the customer.

In the Domain model it was chosen to bind the trainer to the group instead of individual swimmers to enable easier overview of the system and who belongs to who.

The Chairman’s most important function is adding members and therefore it is the only one that has a fully dressed use case of his functions.

The Organisation is a swim club and therefore the forman, cashiers and trainers are members themself.

The System would need the internet to connect to the bank and retrieve payment, but since the system isn't created with the function to communicate with banks that part is not yet a part of the system.

Fully Dressed Use Case 1:

Use Case Name: Adding a new member
Scope: Membership control system
Level: Chairman Goal
Primary Actor: Chairman
Stakeholders and Interests:

- Chairman: Add members to the system
- treasurer: Keep check of the finance.
- Members: Fast process of application into the club.

Preconditions: Database is loaded & Chairman is identified and authorised
Success Guarantee: Member is added to database
Main Success Scenario:

1. Prospective member kontakts Chairman for processing.
2. Chairman enters the add new member part of the main menu.
3. Chairman processes prospective member credentials and member type.
4. System adds the prospective member to the database. And assigns them to a group.

Extensions:

a. At any time Chairman ends application operation.
    1. System returns to the main menu.
b. Prospective member duplicate credentials.
    1. System outputs message about duplicate entry.
    2. System cancels the process.
    3. system returns to the main menu.

Special Requirements:

- A PC with the system on it.
- Access to the internet to process payment.
- A CSV file to store member data.

Technology and Data Variations List:

a. Credit card information entered by Keyboard.

Frequency of Occurrence: Every time a new member needs to be added
Open Issues:

- Can a member enter themself into the system?

Fully Dressed Use Case 2:

Use Case Name: Checking top Swimmers
Scope: Trainers check who the top swimmers are

Level: Trainers Goal
Primary Actor: Trainer
Stakeholders and Interests:
- Chairman: Add members to the system
- Treasurer: Keep check of the finance.
- Members: Fast process of application into the club.

Preconditions: Database is loaded
Success Guarantee: Trainer locates the top 5 best swimmers.
Main Success Scenario:
1. The Trainer opens the menu.
2. The Trainer chooses a group to check the best swimmers in.
3. The Trainer closes the program again.

Extensions:
a. No info loded in the database.
    1. System returns to the start menu.
b. If Category does not have 5 swimmers in the group.
    1. System messages that there are not enough swimmers to make the group valid.
    2. System returns to the start menu.

Special Requirements:
- A PC with the system on it.
- Access to the internet to process payment.
- A CSV file to store member data.

Technology and Data Variations List:
b. Credit card information entered by Keyboard.

Frequency of Occurrence: Every time a new member needs to be added
Open Issues:
- Can a member enter themself into the system?

Fully Dressed Use Case 3:

Use Case Name: Check Kontigent
Scope: Finance overview System
Level: Cashier Goal
Primary Actor: Cashier
Stakeholders and Interests:
- Chairman: Add members to the system
- Treasurer: Keep check of the finance.

- Members: Fast process of application into the club.

Preconditions: Database is loaded

Success Guarantee: cashier can see the total income for the year

Main Success Scenario:

1. the cashier enters the system.
2. the cashier clicks on check yearly contingent.
3. closes the program.

Extensions:

a. Members have not paid their membership fee.
    1. Choice between removing members from the system/club or wait.

Special Requirements:

- A PC with the system on it.
- Access to the internet to process payment.
- A CSV file to store member data.

Technology and Data Variations List:

c. Credit card information entered by Keyboard.

Frequency of Occurrence: Every time a new member needs to be added

Open Issues:

- Can a member enter themself into the system?
    - Resolved: No, they can not. Since it is the chairmans job.