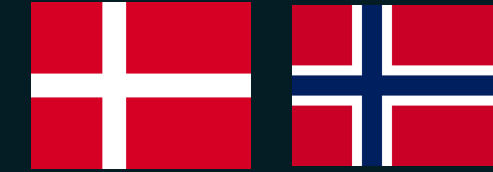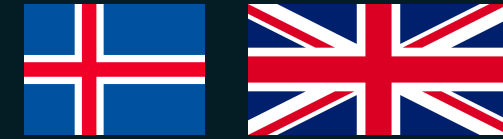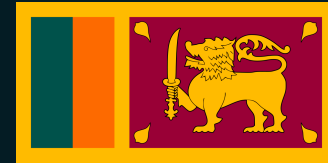# Stefanie Holmgeirsdottir

Head of Technology
Sensar Marine AS

Engineering psychologist (cand.polyt.psych)

- Electronics

- Software

- Psychology

What is…

PRODUCT DEVELOPMENT

PROCESS..

Define

Develop

Validate

PRODUCT DEVELOPMENT

Define

- Purpose

- Scope

- Time & Budget

- Expected outcome

PRODUCT DEVELOPMENT

Develop

- Defining work items (What needs to be done)

- Estimate timeframe (How much time can we spend on it)

- Execute

PRODUCT DEVELOPMENT

Validate

- Testing

- Validating expected outcome

ROLES & RESPONSIBILITIES

Why bother

Unless you work alone….

- Who does what and at what time?

- Who is responsible for ensuring that the pieces fit together?

- Who tests and validates

- Who….

Possible Roles

User experience designer

Some think that the UX designer only draws fancy user interfaces or designes pixel perfect wireframes, but in reality they define the entire user interaction with a system and ensure that user stories are connected, leading to one seamless user experience.

Technical lead

One person per team, per feature, or delivery who is responsible for the technical architecture, interfacing pieces, documentation, stability and robustness.

QA lead

One person per team, per feature, or delivery who is responsible for the quality. A person who nags developers when they identify issues, delay projects cause they find too much, but an invaluable team member who ensures successful deliveries on behalf of the team.

Next steps

Look at project description

Your assigned tutor is your *customer*.
Make them happy :)

Technical:

Set up your Gitlab repo / Discord group

One repository per team, 4 members in the repository. After the next stage, revisit who gets Maintainer / Developer roles.
Ask your tutor to add you to the discord group

Discuss project / assign roles / make the initial development plan

Do **not** write code today! There is much to understand and plan. Get feedback from your *customers*. Decide when to involve outside *consultants* (other tutors).