

Scrum Retrospective Sprint Report

IDATA2301 – Web Technologies

Scrum development period: 16.01.2023 – 31.05.2023
Developer team: Petter Edvardsen, Even Haslerud, Jørgen Finsveen, Oskar Lothe
Scrum table: <https://github.com/orgs/Group10-IDATA2301-IDATA2306/projects/4>
Issueboard: <https://github.com/orgs/Group10-IDATA2301-IDATA2306/projects/3>

This is a collection of the reports for each sprint retrospective which were carried out by group 10 during the development of the portfolio assessment for IDATA2301 – Web Technologies, at NTNU Ålesund.

Scrum iterations:

- *Sprint 0:* 16.01.2023 – 05.02.2023
- *Sprint 1:* 06.02.2023 – 26.02.2023
- *Sprint 2:* 27.02.2023 – 19.03.2023
- *Sprint 3:* 20.03.2023 – 09.04.2023
- *Sprint 4:* 10.04.2023 – 28.04.2023
- *Sprint 5:* 28.04.2023 – 15.05.2023
- *Sprint 6:* 15.05.2023 – 31.05.2023

Retrospective Sprint 0

Date	16.01.2023 – 05.02.2023
Attendees	<ul style="list-style-type: none"> - Petter Edvardsen - Even Haslerud - Jørgen Finsveen - Oskar Lothe
Topics	<ul style="list-style-type: none"> • Group establishment • Planning work strategy • Discussing website themes • Wiki-page for documentation • Learning about UI/UX

Discussion

What went well?	What could be better?	What will we do differently?
Cooperation and brainstorming.	Group contract should include meeting schedule.	Take advantage of the lectures we have at campus and have meetings and discuss ideas after those.
Agreeing on design principles and built a good vision of the website.		
Defined the design guidelines according to what we learned from researching UI/UX and accessibility.		
Decided to use React for the front-end.		

Action items

Item	Person responsible	Due date
Start making Wiki-pages, diagrams and other forms for documentation	Petter Edvardsen, Even Haslerud	05.02.2023
React project	Jørgen Finsveen	05.02.2023
Write and finalize the design guidelines according to meeting discussions and research.	Oskar Lothe	05.02.2023

Retrospective Sprint 1

Date	06.02.2023 – 26.02.2023
Attendees	<ul style="list-style-type: none"> - Petter Edvardsen - Even Haslerud - Jørgen Finsveen - Oskar Lothe
Topics	<ul style="list-style-type: none"> • Wireframes • Static website • Finding images

Discussion

What went well?	What could be better?	What will we do differently?
Made several wireframes.	Could have made more wireframes and have them more detailed.	Put more effort into the wireframes.
Started implementing a static website without any CSS for now.		
Found many suitable images to use in the application.		

Action items

Item	Person responsible	Due date
Design wireframes and update the design guidelines.	Oskar Lothe	25.02.2023
Start implementing a static website without CSS or JavaScript functionality.	Jørgen Finsveen, Petter Edvardsen	26.02.2023
Find images, colors, and other sources of inspiration to use on the website.	Even Haslerud, Petter Edvardsen	26.02.2023

Retrospective Sprint 2

Date	27.02.2023 – 19.03.2023
Attendees	<ul style="list-style-type: none"> - Petter Edvardsen - Even Haslerud - Jørgen Finsveen - Oskar Lothe
Topics	<ul style="list-style-type: none"> • CSS • Responsiveness • JavaScript

Discussion

What went well?	What could be better?	What will we do differently?
Website has now been styled with CSS according to the design guidelines.	Discovered that css styling in React may also affect components which it is not intended for.	Will consider using a different approach for styling such as SASS or set id's and classes to components which are to be styled.
Website has some degree of responsiveness.	The responsiveness is far from perfect.	Must continue to implement RWD actively when developing.
Added JavaScript functionality to some buttons, as well as utilizing routing in React.		

Action items

Item	Person responsible	Due date
Add CSS styles to the pages.	Petter Edvardsen, Oskar Lothe, Even Haslerud	19.03.2023
Implement responsiveness to the website.	Petter Edvardsen, Oskar Lothe, Even Haslerud	19.03.2023
Implement page routing with React and start implementing JavaScript functionality to components.	Jørgen Finsveen	19.03.2023

Retrospective Sprint 3

Date	20.03.2023 – 09.04.2023
Attendees	<ul style="list-style-type: none"> - Petter Edvardsen - Even Haslerud - Jørgen Finsveen - Oskar Lothe
Topics	<ul style="list-style-type: none"> • Pages • Responsiveness • React Hooks

Discussion

What went well?	What could be better?	What will we do differently?
Implemented several new pages as well as new components.		
Responsiveness has improved.	Always room for improvement. Is not aesthetically pleasing when using mobile screens.	Will continue to actively implement RWD.
Learned how to use React Hooks.	Has yet to be implemented in several suitable areas.	Will continue implementing hooks and JavaScript functionality in general when the need occurs.

Action items

Item	Person responsible	Due date
Design Product overview page.	Even Haslerud	09.04.2023
Design Login and Signup page.	Jørgen Finsveen	09.04.2023
Design Cart and Checkout page.	Oskar Lothe	09.04.2023
Make the website more responsive.	Petter Edvardsen	09.04.2023
Start with React Hooks.	Even Haslerud, Jørgen Finsveen, Oskar Lothe, Petter Edvardsen	09.04.2023

Retrospective Sprint 4

Date	10.04.2023 – 28.04.2023
Attendees	<ul style="list-style-type: none"> - Petter Edvardsen - Even Haslerud - Jørgen Finsveen - Oskar Lothe
Topics	<ul style="list-style-type: none"> • Accessibility • Responsiveness • Design guidelines • Wireframes

Discussion

What went well?	What could be better?	What will we do differently?
Website achieved a good score when using the Lighthouse extension.	Some images were missing the alt-tag, and some contrast colors could be adjusted.	Will implement alt-tags and adjust coloring.
Website is very responsive, also when using mobile screens.		
Validate the website using the design guidelines and wireframes.	Was some differences between the website and design guidelines and wireframes.	Will adjust the website so it fits with the design guidelines. And will make new wireframes.

Action items

Item	Person responsible	Due date
Perform Lighthouse tests.	Petter Edvardsen	28.04.2023
Improve responsiveness.	Jørgen Finsveen, Oskar Lothe	28.04.2023
Compare the current website layout to the design guidelines and the wireframes.	Even Haslerud	28.04.2023

Retrospective Sprint 5

Date	28.04.2023 – 15.05.2023
Attendees	<ul style="list-style-type: none"> - Petter Edvardsen - Even Haslerud - Jørgen Finsveen - Oskar Lothe
Topics	<ul style="list-style-type: none"> • Fetching • Styling

Discussion

What went well?	What could be better?	What will we do differently?
The fetch methods implemented as of now is working when running the back-end on localhost.	There are some fetch methods still to be implemented.	Will implement missing fetch methods when they are needed.
Adjusted styling of the website so it satisfies the design guidelines.		

Action items

Item	Person responsible	Due date
Implement fetch-methods and store JWT in LocalStorage or Cookies.	Jørgen Finsveen, Even Haslerud, Petter Edvardsen, Oskar Lothe	15.05.2023
Adjust the styling of the website.	Petter Edvardsen, Oskar Lothe	15.05.2023

Retrospective Sprint 6

Date	15.05.2023 – 31.05.2023
Attendees	<ul style="list-style-type: none"> - Petter Edvardsen - Even Haslerud - Jørgen Finsveen - Oskar Lothe
Topics	<ul style="list-style-type: none"> • Refactoring • Testing • Deployment • Completion

Discussion

What went well?	What could be better?	What will we do differently?
Software was refactored and thoroughly documented using JSDoc. Improvement of code semantics.		
Website was approved when letting third party users test the website on both computer and mobile phone. Lighthouse test turned out good.		
Website was deployed to a public domain, and has SSL-certificate and HTTPS encryption		
Final fetch methods was implemented.		

Action items

Item	Person responsible	Due date
Refactor code and add documentation.	Jørgen Finsveen, Oskar Lothe	31.05.2023
Test the website on users and with Lighthouse.	Petter Edvardsen	31.05.2023
Deploy the website to a public domain and enable HTTPS.	Jørgen Finsveen	31.05.2023
Implement missing fetch methods.	Even Haslerud	31.05.2023