A screenshot of a cell phone

Description automatically generated

Technical Report

project-exam-2-Giechr

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Table of Contents

[1. Summary 3](#_Toc25064482)

[2. Body 4](#_Toc25064483)

[2.1. Introduction 4](#_Toc25064484)

[2.2. Main section of report 4](#_Toc25064485)

[2.3. Conclusion 4](#_Toc25064486)

[3. References 5](#_Toc25064487)

[4. Acknowledgements 6](#_Toc25064488)

[5. Appendices 7](#_Toc25064489)

# 1. Summary

Project started good, I had a plan, started – and really enjoyed the investigation part, finding trends, looking at the other solutions out there. Playing with colors and fiddling with service solutions and designs.

Plan was thought trough, but not that wll formalized in terms of a neat structure.

Unfortunate break left me behind durring the “ux part”.

Started premature on development, did not see the bigger picture, and when meeting a problem, at times tried the quick solution, that did not work, instead of the obvious way which was a bit more time consuming.

Endend up with an end result that is missing some requirements, but still shows something, I have but in so many hours. I really appriciate the extra week that I got, I have used it well, and would not have anything to show for if not.

This repport is not digging deep in the material. But time is running out..

# 2. Body

## 2.1. Introduction

My design is based on simplicity, and keeping it clean. Simplicity in terms of framework and layout. I have used Bootstrap as a library, this means less css to handle for me. Even though I never got the time to fix a structure for it.

Follow universal principals of design in general. My Figma file was supposed to show that, but I never got back to finish it up.

The plan was to experiment a little bit, but try to use familiar libraries and other tools that I have at least been introduced for earlier. I would say that is what I have ended up with, I tried some stuff that I will explain later, but mostly used “the more easy stuff”

Some explanations:

Accommodation – used instead of hotels, rooms, etc. Why? It was meant as something more than “just an hotel. But I ended up misspelling it, and did not figure that out before recently, so there might still be some typos (endpoint name could not be changed, so that’s at least one)

A part of the “more than an hotel” – does not show that much but a future version could do more of the adventures, and facts stuff. As a hub for stuff to do, see, explore etc.

## 2.2. Main section of report

PREREQUISITE

I was with my family and was supposed to have a un formal user test of some of my sketches. I did not feel very well that day, ended up going, but we never looked at the sketches. Result of the day was infecting them with covid, apparently. A week went by where I did not touch this project. After that I felt good for a week’s time before I was hit with a case of chronic sinusitis (Something that I have had before).This kept me away for about 3 where I barely touched the assignment. A hard penicillin cure and some cortisone spray was needed to get better after that.

This is said not as an excuse, but as something I would like to mention, since my assignment is lacking:

* File structure, and naming
* There are bugs
* There are partial tasks that are not meet.
* CSS does not have a good structure either.
* Re-structuring of components
* No unit tests
* The list goes on..

USER TEST

This was where I lost my Gant chart flow. I never got back to it, I felt I had to start development.

API/BACK-END

I have previously used WordPress for the CMS. That is also what I started with before remembering that Strapi had a lot of good features, for example for user authorization. I have control over that from the back-end side both for authorized and un-authorized people. For the authorized parts I’m using a JWT-token in the config header for the calls.

Strapi has recently changed their structure, and I struggled a bit with the docs both for the setup of the dev node, but also the correct endpoints and media uploads, which goes to a separate endpoint. This cost me more time that I would have liked.

There is known bugs here:

* There is a bug if you create an accommodation, yes that is what I ended up calling it, since that could mean more than hotels, and in a future mvp it could be a site for more than just a place to sleep. Back to the point – if you create one from the front end, the accommodation list breaks due to an unhandled map function for nulls.
* Images disappear after x time, I used my local server until the 8 of May, so it was a bit late to set up another source for media files. This is an issue when using Heroku. It worked perfectly on localhost. Issues due to being far behind on schedule.
* Media uploads

Does not work from the front-end. Struggled with it, found a solution, but could only get the upload to the media server, and not attached to the form call. Ended up removing it and finish something else since I had used to much time and did not have much to spare.

FILE-STRUCTURE and NAMING

I’m sorry for the state I’m leaving it in, but it was lower on my priority list when time was racing. I know I should have both re-structured files and naming of them. The same goes for some of my rather unnecessary large files, that could have been broken down. An example is that I have no hooks for all of my different axios calls. That was due to bad practice and again, time running away.

DEPLOY

I have not deployed my project to the web, when I tried using my one.com site, the build was not good, all pages did not work. Then I figured I could use Heroku for the same, but they had a bug on what would be my preferred choice through GitHub connection, but that is turned off due to concerns of a safety breach. I tried to use CLI, but I had to stop my attempt.

TYPEAHED

Another story of something that I thought would go fast, so I left it until last. Again, started, did not understand the docs completely after all, tried async version first and was missing some inputs, changed, but ended up not completing.

## 2.3. Conclusion

I have learned that stress gets you nowhere. I could have done better decisions after falling behind schedule. It all got a bit messy after that, not following the plan – somewhat the same as trying to scoop water out of a sinking ship instead of fixing the holes.

Apart from that, I’m feeling much more secure, I did manage to sort out a lot of issues on the way. The site is just a couple of efficient hours (or a day or two) away from being completed. Not knowing if there is a lot of bugs since it’s not tested in production. Which I know from work is a safe bet that there might be. My pace is much higher know that when I started.

Design review is missing, so texts (and maybe some missing texts) are not that well thought trough.

# 3. References

Strapi – Headless CMS

<https://docs.strapi.io/developer-docs/latest/getting-started/introduction.html#open-source-contribution>

* Docs for api endpoints, authorization control, media library, content-manager, deployment etc.

Hiroku – PaaS

<https://devcenter.heroku.com/categories/reference>

* Docs for deploying strapi, PostgreSQL and needed CLI commands

Axios – Http client

<https://axios-http.com/docs/api_intro>

* Docs for CRUD calls to Strapi endpoints.

React Bootstrap – CSS library

<https://react-bootstrap.github.io/>

* Docs for framework and commponents such as offcanvas slide-in from the side.

React – Javascript library

<https://reactjs.org/docs/getting-started.html>

* Docs for handling state(s) with useState, events with useEffect, components as functions, contexts and hooks for storing authorization tokens in local storage etc.

React router

<https://v5.reactrouter.com/web/guides/quick-start>

* Docs for routes, links history (for back button etc.)

React-bootstrap-typeahead

<https://www.npmjs.com/package/react-bootstrap-typeahead>

* Typeahead hook. Did not have time to complete as planed.

Disclaimer: I have probably forgotten something

# 4. Acknowledgements

This has been a really fun project, even though there has been a lot of stress and strugles beacause of covid and sinus issues for me. And the fact that I’m sending in an exam that is not completed, something that I’m not proud of.

I would like to thank the people at Noroff for project task. Under normal circumstances it would have been good enough time for me to complete.

I would also like to Acknowledge my employer for sponsering my education (though, they could have given me some time off to study ☺.

Almost forgot. Images used:

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# 5. Appendices

To little time to fill out,

I do not have it by hand.