



Noroff

School of technology
and digital media

Technical Report

Project Exam 2

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1. Summary

In this report you are presented with the project exam for year 2 on FEU by Elin Andreassen.

This report includes a detailed explanation of choices made and why, links to my GIT repository, style guide and Adobe XD prototype. Appendices are added with big images and/or tables to not take up too much space in the report itself .

Design and development has been completed by doing research, thinking about target audience and using skills learned. The project is developed by using languages learned through the course: Javascript in React, CSS/Sass, HTML, Node.js and Bootstrap.

All files can be found in this GIT repo:

<https://github.com/elinandreassen/pe2>

Prototype:

<https://xd.adobe.com/view/f86c8347-79e7-4133-8e78-ac75b7866cbf-ad3f/>

Style guide:

<https://xd.adobe.com/view/879e529d-b6fa-41bf-985f-8c2e56785f12-d2cd/>

Login Admin

Username: admin

Password: noroff



2. Body

2.1. Introduction

For this project, I have developed a hotel booking website for a local tourism agency in Begen, called Holidaze. This site is made for visitors to the area to be able to find accomodation in the city.

In this project I have developed the visitor side with a homepage, search bar, results page with all hotels, hotel specific page, enquiry page and contact page.

For the Admin side I have created an API in Strapi to store the data for the establishments, as well as deployed it on Heroku. I have also created a login form, a form to add new hotels and accordions to display incoming messages and enquiries on the admin page.

2.2. Main section of report

2.2.1 – Planning, Gantt Chart, Prototype & Style guide

In the planning phase of this project, I started by reading the assignment and take notes on what the task was, which steps to follow throughout the project, and what was going to be included in the final report. I gathered all my books and links needed for the project so that I didn't have to waste time looking for the most necessary information that might be of help.

I started by searching for hotel booking websites to gather inspiration and information on how these kind of websites works, as well as taking notes of color-schemes and layouts to be able to implement and/or improve my own site.

I made a Gantt Chart(Appendix 1), a prototype and a style guide to be able to plan my work process and list the most important aspects of the website so that I had a clear idea of what I should include and focus on when I started developing.



I spent week 1 on this part, and added one extra week to my development weeks.

2.2.2 – Research / Target Audience

The target audience for Holidaze is quite broad. I have tried to narrow it down to adults like couples from the age of 20-50 who wants a nice getaway and being close to different attractions in Bergen. They are adventurous and loves to be included in local happenings.

2.2.3 – Design

I am happy with my design for this project, as I think it's quite modern and simple. I decided to add as little "noise" as possible so that the user can search for hotels and navigate through the site with ease. I have also thought about font-sizes and they are optimal for each device.

Colours are chosen by the feeling and message they convey, especially for a holiday website. I have used bootstrap and Sass for this, and made sure to split my Sass code up in different parts.

Next time I'm coding a whole project, I will allow myself more time on the design part. This project was a bit scary because I feel like I need to learn even more in JS, so I focused most of my time to be able to create the login functions and make the forms work properly.

Design-wise I feel pretty confident, I know how to style elements, I am comfortable with using bootstrap and sass, as well as I find it easy to use flex and media queries.



2.2.4 – Technical

This is the biggest part on this project I think, as I feel that the code here is more important than the design.

The first thing I did was creating a Strapi project with the quickstart guide, then I started adding my collection-types and roles so that I had data to test my code with during development. I also read through all of my relevant old code and tried to figure out how I could use some of it while improving it.

I also created a new React-app project in it's own folder, and installed all necessary packages that I needed for my project.

The contact form and enquiry form are developed so that the user can send messages to the admin, and the content of the form sent are shown on the admin page on the website.

The hardest and most annoying part of this for me was the form on the admin page that is used for adding new hotels to the site. I struggled a lot with the file upload because I used "this.state.image" on the value for the file input, and when reviewing my code we figured out that if I removed that line, everything worked. I was struggling with that part for days, so I fixed that at the end because I wanted to focus on getting everything else ready.

The typeahead searchbar was easy to implement, as I just looked at how I made the code for my other forms, then I used map() to fetch the hotel id's and names before I added the possibility to go the the detail page for the hotel by clicking the name in the searchbar.

When everything was ready, I deployed my API to Heroku by following the guide carefully. Unfortunately I didn't realise that all the data got wiped when you deploy, so I had to add all my hotels one more time. Something happened with my first app, so I had to deploy one more time and add all of my data once again. This fixed the issue I had with Strapi wiping away all my data after each logout.



Throughout the whole project I have used imports and exports, and divided them into folders to make it easy to find each function.

Adding the routing and actually making the details page from the resultspage must have been the easiest thing for me to do this time. I feel like I did it blindfolded, this is probably because I have done it so many times at work now as well and know how it works.

2.2.5 – Code review from Kristian Hovland

Design:

The design is clean and responsive. Maybe change the colours of bootstrap buttons. The design of the admin dashboard could be better.

Code:

You are missing validation on two forms. Adding new hotels and messages/enquiries works. Everything else looks ok.



2.3. Conclusion

This project exam has been the most challenging project I have ever done. I started by doing the Javascript which I think was a good idea, based upon how many hours I spent trying to fix all the errors I encountered. I am however proud of the outcome and very happy about being able to code all the functions that was expected from me.

I wish I had spent more time on the design, but I decided that a point less would not matter on the design if I got my Javascript right.

It has been a long ride, and I have learned a lot during this period. I feel I still have a bit to go, but it will be fine.

I also want to thank the teachers and my classmates for being extraordinary when it comes to support and help during these 2 years.



3. References

All noroff lessons as of 23.05.2021

My own work from year 1 and 2

Heroku docs, 20.05.2021 - <https://strapi.io/documentation/developer-docs/latest/setup-deployment-guides/deployment/hosting-guides/heroku.html>



5. Appendices

Appendix 1)

Gantt chart - Elin Andreassen - Project Exam 2

