

**Technical Report**

**Project Exam 2**

**Remano Victor**

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Link to github Repository: <https://github.com/RemanoVictor/ProjectExam2>

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## 1. Summary

The task is to build a website for Holidayze bergen that has 2 interfaces. The site must be fully functional and responsive.

## 2. Body

### 2.1. Introduction

In this report I will cover the processes followed to produce and present my Project Exam 2 assignment.

The goal of the assignment was to create a fully functional website for Holidaze., a holiday accommodation booking site based in Bergen, Norway.

The specifications for the assignment are as follows:

- Gantt chart
- Adobe XD prototype
- Design tile
- Functional spec report
- Site needed to be responsive
- CSS preprocessor needed to be used
- Javascript framework needed to be used (React, Vue etc)
- Site needed separate interfaces for visitor and admin.

Visitor interface:

- The site needed to be responsive.
- Home page

- Search bar with autodropdown displaying hotel names
- Results page with all hotels
- A hotel specific page containing more information about hotel
- An enquiry page/modal
- A contact page

#### Admin interface:

- Login section
- List of enquiries and new enquiries should appear as a user submits.
- List of messages from contact form
- Admin can add a new establishment.

## 2.2. Main section of report

## PLANNING:



Above is the gantt chart I have used to plan out the workload over the past 5 weeks. I have opted not to work on weekends so as to create a healthy balance between work and life. My goal was to distribute the work based on the difficulty level and time it would take to complete.

### WEEK 1 :

I allocated one week for the planning which includes making a gantt chart as well as writing a functional spec report containing technical information about the assignment.

### WEEK 2:

Thereafter we moved onto design. Again I allocated one week for design. This week I will build a working prototype of the website on Adobe XD as well as create a style tile for the website.

### WEEK 3&4 :

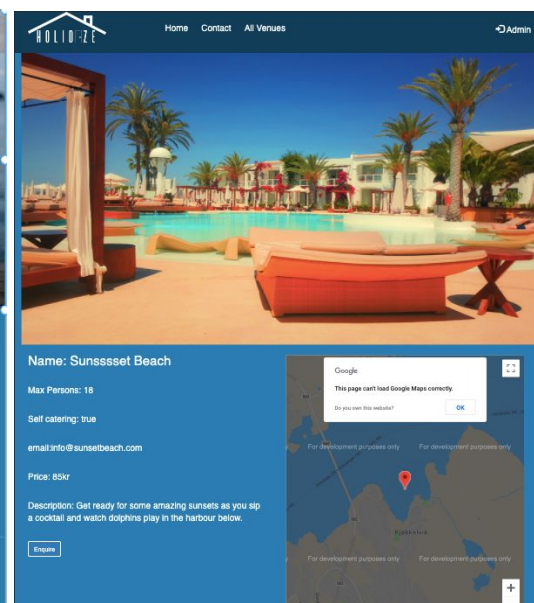
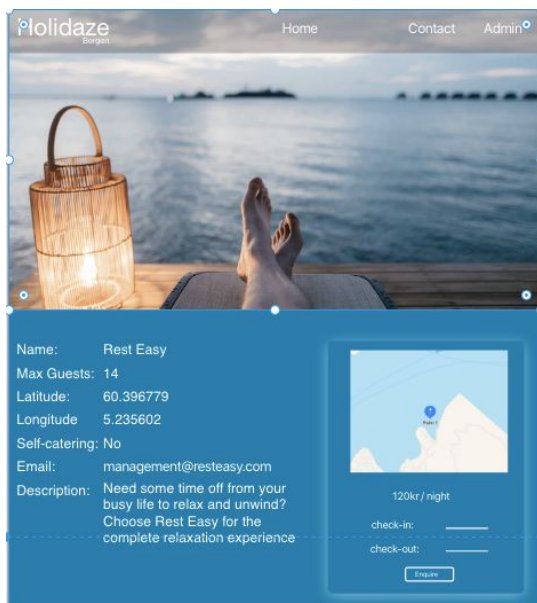
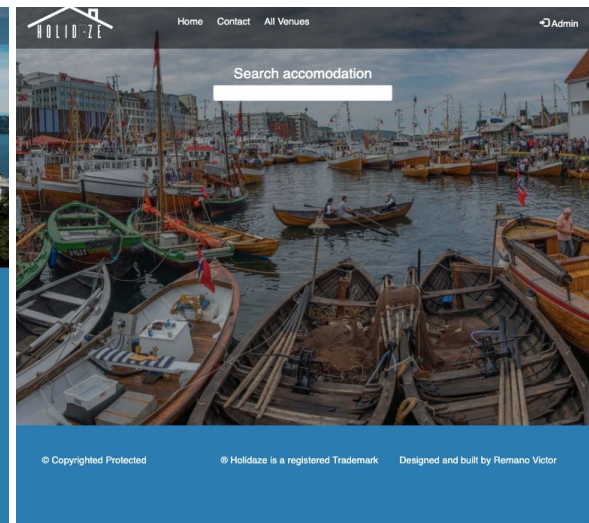
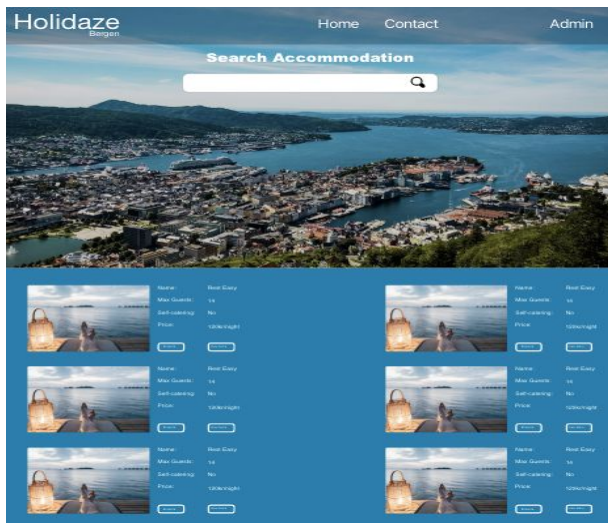
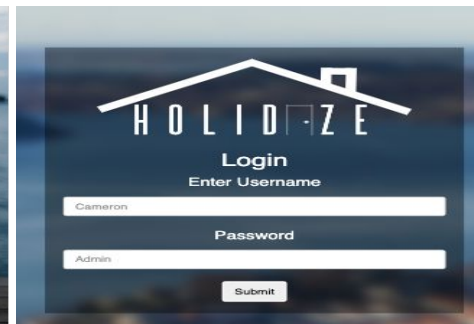
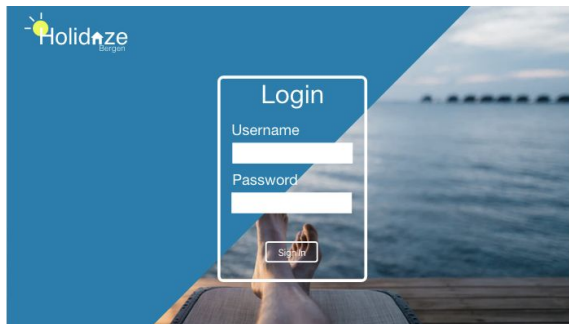
Next will be Coding. I allocated 2 weeks for this as I felt that this would be the bulk of the hard work. During this

time I will need to understand the PHP files provided and how they work while also creating and setting up the front end of the website using react hooks.

#### WEEK 5:

The final week will be reserved for code refactoring, bug fixing, testing & report writing. This week I will comb through the code and remove whatever serves little to no purpose. I will test functionality and make sure that all pages are linked correctly and that data is written to the correct JSON file.

#### DESIGN:



For the design I have opted for a straight forward simple design. The site has minimal moving elements such as box shadows, hover effects. Instead the site is built around simplicity and functionality.

The color scheme for the site will be a mixture of blue, white and yellow. The blue will be used as a background color, whilst the white will be used for the text on the body. This creates a good contrast. The yellow will simply be used as accent colours. These will include hover effects to indicate links and buttons.

THE LOGO:





The original logo design had a more summer feel, but was later changed for a sleeker version.

The logo uses closure to create a house shape by using a roof and **Holidaze** will form the foundation and building. A simple symbolic nod to the nature, purpose and intention of the site.

### THE LAYOUT:

The layout is simple. everything is aligned to a grid and the design is quite square in the sense that there aren't overlapping elements. I have deviated quite a bit from the XD prototype in my design. I understand this isn't the best practice, however, i felt the general appeal of the website Buttons have been given backgrounds so as to make them more visible and readable.

### CODE:

I have tried as best I can to write code that is both reusable as well as clean. I have recycled code as much as I can within the project. I do of course tailor functions and methods to suit the needs of the application. My reason for this is, I am using code I understand as well as know for a fact works. By doing this, I can avoid bugs, unfamiliar errors in the console and having to comb through hundreds of lines of code. I have opted to use React hooks for the project as I have better control over how the state is managed. The layout structure and

responsiveness is handled by Bootstrap4. This frees up code as I no longer have to hard code responsiveness by means of CSS-Grid for example, as Bootstrap is already mobile responsive ready. In addition to the above, I have also installed various React plugins to aid in creating other elements such as the modal and also to handle form submission by means of React-Forms. The CSS is handled by the pre processors installed with create-react-app.

## 2.3. Conclusion

In conclusion, this assignment has taught me to think on my feet. I have not really worked with php files before and while most of it was already set up, it was a little intimidating to work from a server. That being said, I feel I am a better developer for it as I now have experience with getting content from a back end and manipulating and transforming it in the front end. This of course simulates a real world situation and its always good to know what to expect. I will of course continue to revisit my code as there are always better ways of doing things or new aspects to implement. One such aspect is REDUX. I would like to revisit this assignment and use REDUX for state management. Please feel free to continue to watch this repo should you want to keep up to date with the progress.

### 3. References

Images used in this assignment have been sourced from pexels <https://www.pexels.com/> as well as unsplash <https://unsplash.com/>.

The map has been built and sourced by googleMapsAPI.

## 4. Peer reviews

### Peer review by Bjorn-Ivar Skuggen:

Code review of Remano Victors project — Holidayze

“ I have tested the website and read through the code of Remands Holidayze project. The site is easy to navigate through, and is also working on smaller screens such as tablet and mobile devices. When it comes to the code, which is what I was supposed to review, it looks good. It is clean, readable, and easy to comprehend. It does not seem to be done half-way, and there is no unnecessary code. The code runs well, and I did not encounter any issues from a user perspective. Form validation is done nicely through react-hook-form, and both fetching and posting of data is handled in a proper manner, again, without any extra code. The login to Admin works for the Dashboard site which was required, so that is nice. I could not find anything that I would have to point fingers at, and that is a good sign. To conclude, I think Remano has done quite well on this assignment when it comes to the quality of the code, and use of data provided. Even though there could be some design-related fixes, the site looks okay and most importantly functions like it should. Well done!

Code review written and reviewed by Bjørn-Ivar Skuggen “.