A screenshot of a cell phone

Description automatically generated

Technical Report

Exam

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**Brief:**

Build a microsite for SpaceX or NASA. This should focus on space technology.

Should focus on racing awareness about space program activity around the world. The site should appeal to a specific target audience and provide links to more information, live feeds of launches, and so forth.

This should include a minimum of 4 pages, be responsive and function well on a variety of platforms. The site should employ JavaScript/JSON API. Needs a form with validation.

**Week 1:**

This first week should go to reading and understanding the exam project. Planning for the first delivery, which is 26.04.2020. this delivery will include the project planning, functional spec and a Gantt-chart. So that is what I will do first. That means that I have to get a good look at the task and understand it. I will also have to go back to some lessons to refresh my memory on what goes in a functional spec doc. I will write the report as much as possible during the 5 weeks, so that I can have a god and detailed report as possible.

I have worked more then I was supposed to this week, this I have done because I want to stay ahead of the schedule. So I have also made a git repository, which I update every time I am done with something. So the first week I have done:

* Project planning document
* Functional specification
* Gantt-chart
* Made a git repository, link: <https://github.com/Christian-Skilar/Noroff-Exam-1>
* And started writing the report

**Week 2:**

Delivery for this week is our target audience, personas, storyboard and a wireframe or prototype. So it is best to start with finding my target audience. This is hard, because I want to have candidates that are astronauts, in school that focus on space related stuff or people that just are interested in space, and want to know/learn more. I don’t know anyone that are astronauts or that goes to school for that. So I have to use myself or my “alias” for one, I have a friend that I can use, and 1 I have to imagine. For what I have learned, this is probably not the right way to do it, but I don’t know how else to solve this task, hope it is ok. I know, or think the best way would be to have a big group of people, that are within the group that I am searching for, and have them preform a card sort.

After I have found, or found up my audience, I want to make some personas. I used a template that I did find online, (link is under resources) then it was just to fill out with the right information, especially with goals and pain point.

The storyboards I made I used a tool I found online, this was very useful! Helped me out a lot with getting the right scenario and expression. I would never have made it look that good with my own drawing. (link to this site is under resources) the 3 scenarios are made out of the 3 different goals/pain points from my personas.

The prototype is almost how I imagine the site will look like. I will be adding more “animations” to buttons, nav and maybe also to some image or content. Also try to use some gradient with rgba color, if it looks good. For tablet view it will look the same as the desktop view when it comes to the body, but for navigation it will have a drop down, hamburger menu. And the footer will look the same as on mobile. So, you can get a good view on how it will look on tablet. In the prototype I have made for desktop and phone. (the view mobile and desktop button will not be on the finish product, it’s just for navigation in XD)

**Week 3:**

Week 3 I’m starting with html. Starting with my home page, first with a header, navbar and footer. So, when this is dine I can just copy paste to my other pages. My navigation is clean an easy to understand, it has a font that is clear. It easily shows which page you are currently on by having an underline and a blue color on the text. On a computer it also has a nice hover effect. I have my prototype that I use as a guide, but I have made some changes, not so much to the navigation, just that I have used a more transparent color for the background. The same goes for my footer, looks like my prototype just with a transparent background color, also with gradient, and a box shadow on the top for a smoother transition. Last thing that I have added that is the same for all pages is a “to top img” here I have used a space rocket that scale and translate on hover, this I thinks gives an indication that the rocket moves up, also have a little text that says “take the rocket back up” also I have set the scroll-behavior to smooth, which I think gives a better experience for the user.

Also started with adding structure and content to the page, adding some icons and text. Started with some JavaScript API calls for people in space and the ISS location, with live updates (for the ISS) don’t know if it’s the right way to do that, but I used the setInterval on the function. I have a sign up for newsletter in the footer, so I made a form validation I JavaScript for that. So, then I also made the contact page with the contact form including name, email and a message box. All with form validation.

**Week 4:**

**Week 5:**

# Planning, functional spec, Gantt chart:

The planning was pretty much done within the first 2-3 days in week 1. Not everything from fonts, images, etc… but to get my head around the project and start planning it in a Gantt-chart. This way it is easier for me det rest of the project, then if a have done a god job, I can always see the Gantt-chart, and see if am ahead of the schedule or falling behind.

The functional specification document I was not 100% sure on how to write, but I hope that is was good enough. I was a little unsure if I was specific enough, and if I everything that I put in the document was relevant. Please give me feedback on this, if a misunderstood on what goes in this type of document.

The Gant-chart that I used is the same that a used last time, just to make it easier for me, and to use something I am familiar with. And also, I liked the way it looks. I just fill in whit new values and information. The way I made it was that I first tried to write down all that I need to do for this project, then I organized it after what needs to be done first. When this is done, and I feel like I have all the keywords/tasks that I need for this project, then I start implementing it in my Gantt-chart. I have tried to make my chart as normal as possible, when it comes to workdays. That means trying to have the weekends off. And other holidays also, as f.eks 17.may which is Norway’s national day. But of course, I will most likely be working more, since this is an important delivery! just want to implement the chart as close to an Gant-chart that can be used in a project. To show you that I think about it.

# Target audience/research:

I struggled a little with this, because I want to have candidates that are astronauts, in school that focus on space related stuff or people that just are interested in space and want to know/learn more. I don’t know anyone that are astronauts or that goes to school for that. So, I have to use myself or my “alias” for one, I have a friend that I can use, and 1 I have to imagine. For what I have learned, this is probably not the right way to do it, but I don’t know how else to solve this task, hope it is ok. I know or think the best way would be to have a big group of people, that are within the group that I am searching for and have them preform a card sort.

# Graphic design, typography, color:

When it comes to graphic design, I have not done much myself, I I’m not so god in photoshop or illustrator, so my icons are from flaticon (link is in my references) my logo is just a font with different font-weight and color. I have resized the images that I use, but not so much more than that. The fonts that I have used are Future PT, Bilo and Stencil std. this is the first time I used a stylesheet for importing my fonts, but I think this should be ok. I have used adobe fonts, there I can make a web project, I get a stylesheet link, and there I can just add the fonts that a want. The thing that I have learned with this is that If I would have made something for a client, and the subscription is mine, and when I don’t have the subscription anymore, the fonts will not come through. But for this exam it will be fine. I used adobe font because the fonts that I wanted google fonts did not have. For the colors, other than black and white I have used #25ce6e, 11a0d9 and some transparency. Also have ff1a1a for the error messages.

# HTML/CSS: Semantics, structure:

For the html this time it will not be so much code because I will mostly use information and content that I get from the different API calls. But the css will be long, so for me to have best structure and control over the code I have made one main.css this is for everything that is the same for all of the pages, that is header, navigation and the footer. It also includes media queries. Then I have different css file for all of the pages. So index.html have index.css and so on. So, then I don’t have 1000+ lines of CSS. For even more control I use /\*Comments\*/ for the different sections. Also try to have the code in the order that they appear on the page. So, if this is the structure on the page: section 1, img, <p>, section 2, section 3. Then the css should also be in that order. In my CSS for the first time I have used the transform and transition properties, this gives much more “life” to the page.

**SEO/Content Strategy/WCAG:**

**Interface Design, Personas, Navigation, Prototyping:**

When it comes Interface design, I try implementing what I have learned. Example I have my logo in the right corner, since this is the first part of the page the costumer will see. Will also be careful with bright colors and moving animations.

Personas: I found a template that I used for my personas (link in references) don’t have so much experience with personas, and the personas I made for the interaction design course was not so god. This time I think I have learned a bit more, and the template was also good help, so all in all I am happy with the outcome this time.

Navigation: My navigation in my opinion is clean an easy to understand, it has a font that is clear. It easily shows which page you are currently on by having an underline and a blue color on the text. On a computer it also has a nice hover effect.

Prototyping: I like doing prototype, it makes it easier for myself when I start making the codes for the page. And it does not take very long time to do. And I rather deciding the structure, layout of the page in XD then straight in my HTML.

**JavaScript:**

**Implementation/rollout:**

**Conclusion:**

## References:

* Images for my personas: <https://www.pexels.com/search/person/>
* Personas template: <https://milanote.com/?utm_source=google&utm_medium=cpc&utm_content=Brand&utm_term=milanote&gclid=CjwKCAjw1v_0BRAkEiwALFkj5th6iLqZ4MMcYmVa5F506e4thjL7WGkOlxcFBkfxfAu-DYXeEo9fqxoCmEMQAvD_BwE>
* Storyboards: <https://www.storyboardthat.com/storyboard-creator>
* Icons from: <https://www.flaticon.com/> (for using icons from this page I have to attribute the author, that’s why I have that link In my footer)
* My hamburger menu I used a YouTube video: <https://www.youtube.com/watch?v=sjrp1FEHnyA&list=PLTFvyhpUcyk4yt_wia1BoRqEWXg7YBYuv&index=18&t=0s>

## Acknowledgements:

## Appendices: