Noroff
School of technology
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Technical Report

Project Exam 1

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Word count

Summary: NA | Main text: 1020

Document version V1

23.04.2020

Document History

Date	Version	Document Revision Description	Document Author
23.04.2020	V1	Project planning document	Therese Lybo

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1. Summary

To be implemented

2. Body

2.1 Introduction

Project scope

For my first project exam the objective is to provide either NASA or SpaceX with a microsite which will contribute to raise awareness about space program activity.

The microsite will be made up of at least four responsive pages, among other things consisting of a timeline to display launches, a JavaScript validated contact form and links to provide more information. These elements will be described further in 2.3 Functional Specifications.

Moving forward from the current stage of delivering a project planning document, I plan to dedicate the upcoming week to do analytical research, delve into the target audience and create suitable personaes, storyboards et cetera. I then intend to move on to design and development, which will be described as I move on to those phases. The planned process will be presented in 2.2. Gantt chart.

This project is a personal project exam, with myself as sole author and creative resource.

Purpose of document

The purpose of this document is to record the progression of the project from the planning phase to submitting the final product. I will discuss the experiences I have and possible issues I might encounter, as well as decisions made along the way.

2.2 Gantt chart

The following segment contains an overview of the project broken down into milestones, in the shape of a Gantt chart. This chart shows the order in which I plan to execute the tasks as well as the amount of time I plan to spend on each task.

As per the exam brief I have mainly aimed to do the planning this first week, research and design next week, and then move on with the development after that. I have however adjusted the schedule slightly and decided on a time frame based on experience from previous assignments.

For instance my speed has improved when it comes to planning, however writing functional specifications is new to me, so I dedicated two days to work on that specific section. I have nevertheless aimed to finish the project planning in four days and thus have an extra day for research during the first week.

I am also starting to find myself quite potent in writing HTML and CSS. Where I have previously planned on spending five days doing so, I now strive not to spend more than three days and rather have a few more days to implement JavaScript, as that is still somewhat new.

Other than that I expect the time management to be relatively straight forward, spending about a day or two on each task.

Project Exam 1 - Gantt chart

TASK NAME	APRIL									MAY										
	WEEK 1					WEEK 2				WEEK 3					WEEK 4					WEEK 5
	20	21	22	23	24	27	28	29	30	1	4	5	6	7	8	11	12	13	14	15	19	20
Plan																						
Project planning																						
Gantt chart																						
Functional specification																						
Planning document																						
Research																						
Analytical research																						
Target audience																						
Personaes/storyboards																						
Choose API and other content																						
Information architecture																						
Design																						
Design research																						
Wireframes																						
Style tile																						
Prototype																						
Build																						
HTML																						
CSS																						
JavaScript																						
Cross-platform and cross-browser testing																						
Bug fixing																						
Validating																						
Launch																						
Final refinements																						
Report																						
Submission																						
Presentations																						

2.3 Functional Specifications

In the following section I will specify and describe required functionalities and features the website must include, as well preferred ones the website should include. I will also present a selection of use cases based on some of the features which might be prominent for the result of the project. Further features might be added at a later stage.

Features

Feature	Description
Essential information	The user should be able to gather a certain amount of information about space program activity
Links to more information	The user should be able to navigate to other sites for further information about space program activity, such as NASA and SpaceX
Timeline of launches	The user should be able to see a timeline or schedule of upcoming launches. This should be implemented using API.
Newsletter	The user should be able to sign up to a newsletter and get information regularly
Contact form	The user should be able to contact SpaceX/NASA through a contact form. This should be validated with JavaScript.
Cross-platform functionality	The website should be responsive and function well over a variety of platforms
Contain 4 pages	The website should include a minimum of 4 pages
WCAG adapted	The design of the website should conform with WCAG standards

Use cases

UC-1	The user wants information about the space program
Primary Actor(s)	Visitors
Trigger	User hears something about the space program and wants more information
Pre-conditions	Does Google search on NASA/SpaceX
Post-conditions	Feels better informed about the space program
Main Success Scenario	1. Enters website. 2. Reads through the primary information provided on the landing page 3. Finds and follows link to NASA or SpaceX 4. Gathers information
Extensions	Ends up at the NASA/SpaceX website. Finds link to microsite.
Priority	High

UC-2	The user wants to get in touch with NASA/SpaceX
Primary Actor(s)	Visitors
Trigger	User has a question to which they have not yet found an answer to
Pre-conditions	User has browsed the website
Post-conditions	User has gotten answer to their question within a reasonable amount of time
Main Success Scenario	1. Enters contact page 2. Fills in contact form 3. Submits form 4. Gets automated answer about how we will get back to them soon 5. Gets answer to their question
Extensions	Fills in wrong information into form fields and gets error. Fills in correct information
Priority	High

UC-3	The user is curious about upcoming launches
Primary Actor(s)	Visitors
Trigger	User hears about upcoming launch and wants to learn more
Pre-conditions	Does Google search on NASA/SpaceX
Post-conditions	Feels better informed about the upcoming launches
Main Success Scenario	1. Enters website 2. Navigates to correct page 3. Sees timeline/schedule
Extensions	Ends up at the NASA/SpaceX website. Finds link to microsite.
Priority	High

2.4 Research

To be implemented

2.5 Design

To be implemented

2.6 Development

To be implemented

2.7 Conclusion

In the beginning of this week I was not completely confident about executing the project planning document, as there were parts which I had never worked with before, due to a somewhat different curriculum in the Project Methodology course. This made me feel quite insecure and anxious.

Since I obviously have no feedback to a form of work I previously have not been introduced to, I still feel slightly hesitant to my own result. I am however quite pleased with what to me seems like useful additional data.

Having completed it all I feel prepared for the upcoming weeks, and now that I have a thorough plan including this new element I am eager to see the result of this more comprehensive plan.

3. References

Files provided

- Technical specification template
  https://cdn.discordapp.com/attachments/701704694048882774/701744479689900142/Technical_specification_Template.docx
- Functional specification document template
  https://cdn.discordapp.com/attachments/701704694048882774/701741707405951026/FRS_Template_Module_Assignment.docx

Tools

- TeamGantt excel template – Manual Chart
  https://www.teamgantt.com/free-gantt-chart-excel-template

4. Acknowledgements

To be implemented