FUNCTIONAL SPECIFICATION DOCUMENT

<SPACEX>

PLANNING DOCUMENT

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Project Exam 1

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APPROVALS

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1. Introduction

Space Exploration Technologies Corp., doing business as SpaceX, is a private American space transportation and aerospace manufacturer service company that has its headquarter in California. It was founded in 2002 by the famous Elon Musk, with the goals of reducing space transportation costs and enabling the colonization of Mars. Your digital agency was approached to develop their micro site that will raise awareness about space program activity around the world.

2. Purpose of the document

The purpose of this document is to document the business requirements and functional rules of the SpaceX microsite website. This document will include a planning document and functional specifications. All system requirements and restraints will be documented.

3. Planning Document

This is a planning document for the upcoming microsite for the SpaceX service company. A microsite is a branded, self-contained site, usually on its own domain, with a single purpose and a limited number of pages. The purpose can be promotional or editorial, and be may linked to a specific event or period of time. A microsite is usually built as an addition to an existing brand website.

I will the first week make this functional specification and planning document, as well as a detailed Gantt Chart. I started to read the assignment, and after researching both NASA and SpaceX, I chose SpaceX for my project. I started to write all the planned activities, that I included in my Gantt Chart. I delivered the Gantt Chart both as a PDF and a excel version. This is because the Excel version has a fixed activity plan, so it is easier to navigate and see what the different activities are all the way on the last week. When the Gantt Chart and this document was done, it was time to move on to week two. In the second week, I will research for the target audience, and make the personas and storyboards. After that is done, I will make a wireframe or prototype of my future plan for the microsite. At this point, I will start to look and choose the relevant API's. When this is done, I will deliver my current work from the second week.

By the time that the second weeks assignments are delivered, I will start the third week, and designing the microsite. I will make some moodboards to get inspirations for the texture of the site. Then I will choose and test out the colour scheme, so that it is WCAG approved. I will start on making the buttons and icons, if this is something I want for my site. Then I will search and find some typography that will fit well on the site. I will then find soma appropriate and interesting images, and start to process them in Photoshop, so they will look good on the site. I will then go over the CEO and content to check that it is good enough. I will then make the final decision about the design, before I go to week 4, and start the actual building of the site.

I will in week four, start to make the HTML structure, and when the HTML is done for the four pages, I will then build the HTML5 contact form and make it available for the JS validation. When the HTML is done, I will include the semantics, and check that it is appropriate for the site. After that, I will start the CSS for the desktop website, and then add the media queries so it looks good

on tablet and mobile devices. When I feel that the design starts to look good, I will employ the JavaScript and JSON API's for a dynamic data and construction. I will also at this point make the schedule or timeline information. When doing the building, I will set up a GIT repository specifically for this project. Both the style sheet and JS file will be on external sheets. When I am done with programming the site, I will start to test it. I will do much testing by myself, but I will also ask family and friends to test it, and give me feedback on what works, and what that doesn't work.

This is when we go inside the fifth and last week with exam, with the implementation and rollout. I will now start to fix all the errors that come forward under the testing, and change things that are not understandable for "non-programming" people. After the bugs and errors are fixed, I will have the final testing on the site. When I am done with the testing, and I am pleased with the design, I will start to make the report. It will be a detailed and structured report, including references. The report will include an introduction/interpretation of the assignment, and I will discuss the planning, functional specifications and Gantt Chart. I will also include a discussion of the target audience and the research behind this. I will also write about the graphic design, and explain why I chose what I did. I will go through the HTML and CSS semantics, CEO, content strategy and WCAG. I will also include the interface design choices, and the JavaScript. Then I will discuss the implementation strategy, and at the end it will be a conclusion.

4. Functional Specifications

The functional specifications are handed out to all persons that have a role of interest in the project and signed off by the client. This is a document that lists all the business requirements and any business rules that is needed for this project. This specification document should include and state what functionality the client requires from the project.

Use Cases

The functional requirements are most often presented as a series of steps. The use case puts a collection of functional requirements into the context of the user action. This eliminates often a lot of ambiguity that makes its way into an out-of-context list of system Shalls.

Overview

This functional specification explains the development of SpaceX's micro site that will raise awareness about space program activity around the world. The person of interests can visit the microsite, and get the information and knowledge they are searching for about the awareness in the space programs.

List of Functionalities

Project Scope	
Goals	Develop SpaceX's micro site that will raise awareness about space program activity around the world.
Deliverables	A well designed and easy to use website with good knowledge about the space programs
Features	A contact form with validations so that the visitors can contact the space program and ask whatever they want.
Deadline	Day 35, 16.06.19

Risks	The website will have bugs that are hard to find, and the page will be messy and cluttered, and the visitors will get an unprofessional impression about the main SpaceX program
Solution overview	Make the website bug and error free, and easy to understand and manage.

Use Case 1	**SpaceX**
Primary Actors	Space interested visitors/customers
Stakeholders and interests	Persons invested in the company and that have a common interest. Often the CEO and Business Owner
Trigger	Make the website bug and error free and easy to understand and manage.
Pre-conditions	The microsite doesn't exist
Post-conditions	Have a microsite that is responsive and function well on a variety of platforms.
Main Success Scenario	1. Go into the SpaceX microsite 2. Search what you are looking for. 3. Get information and knowledge that you are interested in, and learn something new and exciting 4. Contact the space program with questions and get a quick feedback 5. Leave the site with more information and knowledge than before you vitited
Extensions	If the site is down, have an alternative site that the visitor can be redirected to. For example the main SpaceX website.
Priority	High
Special Requirements	Make an HTML5 contact form with validation
Open questions	<Notes and questions>