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# **Software Requirements Specification**

**for**

## **Project Exam 1**

**Version 1.0 approved**

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# 1. Introduction

## 1.1 Purpose

This SRS is for the PROJECT EXAM 1 for FEU1 students at Noroff Vocational School. The project involves creating a microsite for Space X, research such as personas, storyboards, target audience for the projects as well as other administrative tasks such as this SRS, a report for the project, a Git repository.

## 1.2 Intended Audience and Reading Suggestions

Intended audience are lecturers, examination sensors and peer students.

## 1.3 Product Scope

The scope of the project is to create a multi-age microsite for Space X which intends to be promotional and informative. This will increase brand awareness and give a platform for followers to find relevant information for products, events and the company itself.

The immediate objective is to deliver the finished product for studies, but its long-term purpose is to be presented in a portfolio for the sake of showcasing personal skills, and personal development as a student for future employers.

# 2. Overall Description

## 2.1 Product Perspective

*<Describe the context and origin of the product being specified in this SRS. For example, state whether this product is a follow-on member of a product family, a replacement for certain existing systems, or a new, self-contained product. If the SRS defines a component of a larger system, relate the requirements of the larger system to the functionality of this software and identify interfaces between the two. A simple diagram that shows the major components of the overall system, subsystem interconnections, and external interfaces can be helpful.>*

## 2.2 Product Functions

- Static website
- Promotional/informative content
- Responsive across mobile, tablet and desktop
- In compliance to WCAG 2.0 guidelines

## **2.3 User Classes and Characteristics**

The biggest user class will be people with a strong interest in tech and/or space exploration. SpaceX is a private, commercial space agency that is primarily working with technology that will make space travel (cargo and personnel) cheaper due reusable space rocket components, but the businesses interested in those services have other ways of contacting SpaceX for actual contracts.

Due to the popular nature of the Elon Musk, CEO and Founder of SpaceX, as well as Tesla, PayPal, and more, a large following of his will show interest in the website. This demographic is commonly referred to as millennials and generation z (both terms combined, people born in the 1980s, all the way up to the mid 2000s).

## **2.4 Operating Environment**

Software will be limited to in-browser activity only. It will support all major internet browsers, with a total exception for IE11 (or previous versions) with limited support for IE EDGE (or previous versions). All modern operating systems with support for latest internet browsers will be usable with the product.

## **2.5 Design and Implementation Constraints**

No bigger frameworks are to be used (Bootstrap, Materialize, and more) but smaller frameworks or libraries are allowed for limited use. Development is to be predominantly native HTML, CSS and JS that should be handwritten (or copied with great understanding of the code) by the student.

The microsite needs to be at minimum 4 pages and incorporate the use of an API and JSON data.

Per Norwegian Law and campus standards, WCAG 2.0 is also to be followed.

## **2.6 User Documentation**

Documentation will include: A SRS document, a Gantt Chart, a project Report, a styletile, a prototype and a link to a Git repository.

## **2.7 Assumptions and Dependencies**

The project will incorporate light use of Vue.js and light use of GSAP. These are HTML5 and JavaScript frameworks/libraries, but only for special cases. There will also be dependencies in form of Google Fonts and Font Awesome.

## **3. External Interface Requirements**

### **3.1 User Interfaces**

There will be both a navigation bar and a footer on every page with access to links to all pages, contact information and hyperlinks to social media.

Other interactive components will be clearly designed buttons (designed with padding, background color and curved edges) or hyperlinks (designed with an underline and commonly in italic style).

## **4. Other Nonfunctional Requirements**

### **4.1 Performance Requirements**

The microsite will be static and has no need for a backend. All content should be available in .html, .css and .js files, except for external libraries or frameworks which should only be used for minor parts of the site. The site needs to be responsive for mobile, tablet and desktop while loading near instantly. It also requires use of API/JSON data and use of DOM manipulation.

### **4.2 Software Quality Attributes**

Code needs to be readable by others outside of the development team (a single student) for the sake of grading or peer review. Maintainability and readability are high priority.