

Software Requirements

Project Name:

Group:

1. Introduction

1.1 Purpose

Set the expectations for the outcome of the product. Think of this as the “elevator pitch”.

1.2 Intended Audience

Who is the software for? What types of users will be using the system?

1.3 Intended Use

What is the software for? What problem is it solving?

1.4 Definitions and Acronyms

Provide definitions the reader should understand before reading on.

2. Overall Description

Describe what you are building and for who.

2.1 User Needs

Explain why the user needs this software.

2.2 Assumptions and Dependencies

What assumptions are you making that could cause an error? Is the project reliant on any other factors that could affect the development of the software? For example, you may assume access to a particular API or that a piece of third-party software functions in a particular way.

3. System Features and Requirements

3.1 Functional Requirements

Define the functional requirements that are essential for the software. This is from a user perspective.

3.2 External Interface Requirements

Are there any UX and UI requirements you must remember as you build? For example, perhaps the UI may have requirements to work in a variety of languages.

3.3 System Features

What features are required for the software to work? These are behind-the-scenes features needed in order to implement the functional requirements. For example, a jobs processing system.

3.4 Nonfunctional Requirements

Are there any non-functional requirements you need to address (i.e. budget, team, performance, etc.)

3.5 Tooling Requirements

What tools will you be using to implement the system? For example, if you intend to use a database, list it here along with its version. If you're using AWS, discuss what tools in AWS you're using and so on.