

Goals

High level goal what needs to be achieved

Examples

- The system will show products to the public
- The system will allow a user to pay products with a credit card or PayPal
- The system will have a customer portal for the user to see all historic purchases and print invoices

Functional requirements

A functional requirement defines a function of a system or its component, where a function is described as a specification of behaviour between outputs and inputs

Example

Function	Priority	Risk	Story
Sign-up and register page	1	3	A user will go to a signup page and create an account with email address and password
			If email address already exists in the database, the user will see a message "User name already exists please click here to go to signup page"
Search Products	2	2	The system will have a search bar on the top of every page that. The search bar will show results that find matches in product title, descriptions and tags
Add products	1	2	The system will allow the site administrator to add products from the backend portal

Assumptions

A thing that is accepted as true or as certain to happen, without proof.

- There will be a constant internet connection
- All users will be using Firefox, chrome or safari
- Only people in Australia need to access the site or app
- The company will be supply Android phones to all users

Use Cases

A description of all the ways an end-user wants to "use" a system

Example

Super admin

- CRUD other systems users
- Generates sales reports
- CRUD Products
- Process orders

Customer

- Buys stuff
- Views historic orders
- Update

Non Functional Requirements

A requirement that specifies criteria that can be used to judge the operation of a system, rather than specific behaviours. They are contrasted with functional requirements that define specific behaviour or functions.

Examples

- Performance – for example Response Time, Throughput
- Scalability – customer growth averages 10% monthly
- Capacity – 5 admin staff, 10,000 active users
- Availability – 24/7 website, browser, mobile friendly
- Reliability – most be up 99.9%, schedules maintenance 1st Friday of the month from 7pm
- Recoverability – daily backup on AWS, 14 day backup
- Maintainability – System will be maintained by internal IT department
- Security – PCI, SSL certificate
- Regulatory – TGA
- Environmental – cpanel server
- Usability – Minimum font size 12px, light and dark mode
- Accessibility – must be friendly to screen readers, much have ability to change contrast
- Integrations – Xero, Myob

Perfect Flow Diagram

