Non Functional Requirements

<< The purpose of this document is to capture the non-functional requirements (NFR). Example: security, usability, availability, etc.

Unless otherwise stated, the NFR's will apply to the overall system. If you have an NFR that is specific to a single use case, include it there. I will give you a template that has a section for additional requirements.

NFR's are vital to the overall success of a system. For example, if it takes 5 minutes to complete a transaction, or if it is easy to hack, it does not matter how slick the rest of the system is. They will evolve, but they are vital in the early iterations, especially in establishing the architectural baseline.

The tricky part of this is to understand the audience. From my experience, its best to include business and technical users in the review of all requirements. The heuristics I will use to evaluate your requirements, both functional and non-functional are as follows:

- They capture, in the language of the business, what they are looking for. This answers the question "Am I getting what I am paying for"?
- They capture, in sufficient detail, enough information to design and develop the system. This answers the question "How do I build it"?
- They capture, in sufficient detail, enough information to write test cases with expected results. This answers the question "How do I know if it works"?
- They capture, in sufficient detail, enough information to maintain and support the system. This answers the question "How do I keep the system running"?
- They capture, in sufficient detail, enough information to use the system. Example: via online help or user guides.
- They are pertinent to the domain. In other words, I don't want bloated requirements that have no relevance to your system.

THIS IS NOT EASY AND REQUIREMENTS ARE NEVER PERFECT. NOTHING WE DO EVER IS, BUT LET'S STRIVE TO BE AT LEAST GOOD ENOUGH – USING THE ABOVE HEURISTICS!

I provided below several types   for your convenience – but you may not need all of them. Feel free to add others as well.

Be sure to delete the text that lies within the angle brackets. REMEMBER TO UPDATE THE HEADER THOUGH >>

Security

ID	Description
<SEC1>	<< The system must authenticate all users using an ID and password. See Authenticate User use case for data details>>

Availability

ID	Description
<AVA1>	<<The system must be available 24 hours a day, 7 days a week, less scheduled downtime, 99.99% of the time for any calendar month.>>

Interoperability

ID	Description

Usability

ID	Description

Maintainability

ID	Description

Scalability

ID	Description