

## HW4: Non-Functional Requirements

bolt1003

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# Chapter 1

## Requirements Documentation

### 1.1 Non-Functional Requirements

Non-functional requirements cover all the remaining requirements which are not covered by the functional requirements. They specify criteria that judge the operation of a system, rather than specific behaviours. Squire's non-functional requirements are:

- sQuire will leverage technology developed for the web to ensure reliability. Technologies such as redundant hardware, redundant power providers, redundant internet services, load balancing and virtualization will enable sQuire to be reliable.(bolt1003)
- sQuire will run in a virtual machine on top of redundant hardware. Using a virtual machine allows for multiple instances to be running and tested. The backend will run on redundant hardware which will prevent hardware failure from affecting sQuire usage. In turn, allowing infrastructure to be serviced without affecting sQuire. (bolt1003)