List of <u>functional</u> and <u>non-functional</u> <u>system</u> requirements

<u>Non-functional</u>   ("The system shall be…" or other)
Specify properties of the system as a whole.

REQ1: The art gallery system shall be a means of connecting local artists with potential customers by showcasing their work online.

REQ2: The art gallery system shall be a means of collecting income on commission from sold artwork.

REQ3: The art gallery system shall be accessible via a web frontend in 10 seconds or less.

REQ4: The art gallery system shall be accessible via a mobile (Android) frontend in 15 seconds or less.

REQ5: The art gallery system shall be accessible to all stakeholders.

REQ6: The art gallery system shall be user friendly so that the average stakeholder can learn how to use its services in 10 minutes or less.

REQ7: The art gallery system shall be successfully functioning 99% of the time.

REQ8: The art gallery system shall respect standard policies on ethics, privacy, and confidentiality.

<u>Functional</u>   ("The system shall do…")
Describe what the system should do. Focus on one component of the system.

REQ1.1: The art gallery system shall allow artists to showcase their work online.

REQ1.2: The art gallery system shall allow buyers to view online artworks that are for sale.

REQ1.3: The art gallery system shall allow buyers and artists to connect and communicate via email.

REQ2.1: The art gallery system shall do transactional operations at a rate of 5 transactions / minute.

REQ4.1: The art gallery system's mobile frontend shall allow for the execution of the most important functionality for the given stakeholder.

REQ5.1: The art gallery system shall allow users to register with a chosen email address and password in 1 minute or less.

REQ5.1.1: The art gallery system shall notify the registering artist within 5 seconds if the entered email address is already being used.

REQ5.2: The art gallery system shall allow users to login in 1 minute or less.

REQ5.2.1: The art gallery system shall notify the logging user within 5 seconds if the entered email address and password do not match.

REQ6.1: The art gallery system's web fronted and mobile application shall provide a welcome page where a brief interface description as well as the registration and login links can be accessed in one maneuver (click).

REQ6.2: The art gallery system shall allow registered users to create and update a profile section (name, biography, user category, security information) in 5 minutes or less.

REQ6.3: The art gallery system shall allow registered artists to present any artwork they wish to sell in under 5 minutes.