ADD Step 1: Review Inputs

Design purpose

This is a greenfield system from a mature domain. The purpose is to produce a sufficiently detailed design to support the construction of the system.

Primary functional requirements

From the use cases presented, the primary ones were determined to be:

UC-4 Listing Creation
UC-6 View Listing
UC-7 Offer Creation
UC-8 View Received Offers

Quality attribute scenarios

QA Scenario	Importance to customer	Difficulty of implementation
QA-1 Security	High	High
QA-2 Usability	High	Low
QA-3 Scalability	Medium	Medium
QA-4 Performance	Low	Low
QA-5 Performance	Medium	Medium
QA-6 Usability	Medium	Medium
QA-7 Security	High	High

From this list, all are selected as drivers.

Constraints

ID	Constraint
CON-1	A minimum of 4 simultaneous users must be supported
CON-2	The system must be accessed through a web browser on Windows
CON-3	Listings are stored for a maximum of 30 days before being archived
CON-4	The server for the database must be generally reliable (Up when needed for demonstrations)

From this list, all are selected as drivers.

Architectural concerns

As this is a greenfield system, a select few architectural concerns are identified:

ID	Constraint
CRN-1	Leverage existing code and team's knowledge to expand and improve existing structure.
CRN-2	Modify existing structure to implement architectural structures and design patterns
CRN-3	Allocate work to all members of the development team.