

1.1 The Design Process

This is the first part of the design process, we must translate the requirements and quality attributes that were previously gathered into design decisions. These design decisions will be derived from figure 1.2, which is a list of our quality attributes. This is the beginning of making design decisions that will allow for the development of the entire design of USChat.

1.2 ADD Step 1: Review Inputs

The first step of the ADD method involves reviewing the inputs and identifying which requirements will be considered as drivers. The inputs for USChat are summarized in the table below.

Category	Details
Design Purpose	The purpose is to build a sufficiently detailed design to support the construction of the USChat program.
Primary functional requirements	UC-1: Because it directly supports the core of the business UC-2: Because it directly supports the core of the business UC-6: Because it directly supports the core of the business UC-9: Because it directly supports the core of the business
Constraints	All the constraints discussed in system requirements will be included as drivers
Architectural Concerns	All the architectural concerns discussed in system requirements will be included as drivers

ID	Importance to the customer	Difficulty of Implementation According to the Architect
QA-1	Low	High
QA-2	High	Low
QA-3	High	Medium
QA-4	Medium	Medium
QA-5	Medium	High