System Requirements

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Document listing all of the major system requirements. These are separated into function and non-functional requirements. Each is given a code for future mapping in use cases and other forms of documentation.

# Functional Requirements

These are requirements related to functionalities that will need to be available to the system’s users. Our system’s functional requirements are:

**[*FR1*] –** Users can send messages in a conversation with other users.

**[*FR2*]** – Users can define the topic (category) that is being discussed at the moment.

**[*FR3*]** – Users can reply to previous messages.

**[*FR4*]** – Users can change the topics related to a message, or group of messages.

**[*FR5*]** – Users are able to identify who sent each message.

**[*FR6*]** – Users are able to identify what topic each message is related to.

**[*FR7*]** – Users are able to identify when each message was sent.

**[*FR8*] –** Users can access their respective chats via “magic links” that automatically authenticate them.

**[*FR9*] –** Users can access different conversations they are a part of, via different “magic links”.

# Non-functional Requirements

These are requirements related to the system’s infrastructure and certain qualities that its use may have. Our system’s non-functional requirements are:

**[*NFR1*] –** System information is stored in a MongoDB database.

**[*NFR2*] –** System is available online, as a web application.

**[*NFR3*] –** User authentication to a specific chat via requested URL.

**[*NFR4*] –** Front-end interface is separated from back-end functionality, which is structured in a service-based architecture.

**[*NFR5*] –** System should have a response time of under 1 second.