

# Introduction and Goals

The development will consist of a WebApp whose objective is to be a decentralized chat, using SOLID technologies. This chat will allow users to exchange messages in different formats (audio, text, video), as well as other functions such as: share screen or video call; It will also allow you to save friends lists, show notifications, among other functions. It will be a web application developed at Angular, and an RDF library will be used to communicate and obtain information on the different PODs.

## Requirements Overview

The application will mainly comply with the following:

- The system will be based on a decentralized architecture where data storage is separated from the app
- Users can store their chat data in their own pods
- The app will allow a user to share pictures, videos or other kinds of files with other friends through the chat
- A user can get notifications when some friend wants to chat with him
- Users can have groups of friends with whom they may want to chat
- It will be possible to have group chats where all members receive the messages
- Users can have live calls and videos
- Users can share their screens in the chat

## Quality Goals

The main Stakeholders of this application are Inrupt and users, I will list the most important quality goals for them:

- Usability : Ease of use by non-technical people.
- Responsiveness : The application must send messages in real time.
- Privacy: The application must keep the data private (this is what solid is based on, each one owns their data).
- Security: The application must be secure, users must know who they are talking to and who has access to the chat.

## Stakeholders

Stakeholders of the system:

- Developers
- Professor

- Users
- Inrupt

| Role/Name | Contact                              | Expectations  |
|-----------|--------------------------------------|---|
| Developer | <a href="#">Laura Sanchez</a>        | Have to work with the architecture or with code, documentation of the architecture, have to come up with decisions about the system or its development  |
| Developer | <a href="#">Enrique Fernandez</a>    | Have to work with the architecture or with code, documentation of the architecture, have to come up with decisions about the system or its development  |
| Developer | <a href="#">Jose Luis Bugallo</a>    | Have to work with the architecture or with code, documentation of the architecture, have to come up with decisions about the system or its development  |
| Developer | <a href="#">Victor Manuel Chaves</a> | Have to work with the architecture or with code, documentation of the architecture, have to come up with decisions about the system or its development  |
| Developer | <a href="#">Carlos Gomez</a>         | Have to work with the architecture or with code, documentation of the architecture, have to come up with decisions about the system or its development  |
| Developer | <a href="#">Daniel Fernandez</a>     | Have to work with the architecture or with code, documentation of the architecture, have to come up with decisions about the system or its development<br><a href="https://forum.solidproject.org/u/danielferromeral/activity">https://forum.solidproject.org/u/danielferromeral/activity</a> |
| Professor | <a href="#">Jose Emilio Labra</a>    | Evaluate and guide the project  |
| Users     |                                      | Users can chat, they can have live calls and videos and they can share their screens in the chat  |
| Inrupt    | <a href="#">Inrupt</a>               | They has been proposed as a challenge   |