

# Architecture Constraints

## Technical Constraints

| Code  | Restricction                                    | Motive  |
|-------|---|---|
| TC001 | Online independence: no central control of data | Linked-data are completely decentralized and fully under users' control rather than controlled by other entities. |
| TC002 | Frameworks: Angular                             | We haven ´t worked with this framework before, so we will have to learn how to use it.                            |
| TC003 | SOLID technology                                | app based on the solid specifications.  |
| TC004 | Data Storage                                    | Users can store their chat data in their own pods.  |
| TC005 | Share files                                     | The app will allow a user to share pictures, videos or other kinds of files with other friends through the chat.  |
| TC006 | Notifications                                   | A user can get notifications when some friend wants to chat with him.   |
| TC007 | Groups  | Users can have groups of friends with whom they may want to chat.   |
| TC008 | Program language: JavaScrip or TypeScript       | We have chosen this language, but we don't have enough knowledge about this languages.                            |

## Organizational Constraints

| Code  | Restricction                             | Motive  |
|-------|--|---|
| OC001 | About Version Control: Git, Tool: Github | Keep a version of the project after making changes  |
| OC002 | 6 person group                           | We didn't know each other   |
| OC003 | Time schedule                            | We don't have a lot of time for developing the app. Furthermore, we are developing other projects at the same time. |
| OC004 | Documentation                            | <a href="#">Arc42 model</a> .   |
| CC005 | Open source                              | The project, including source code and documentation.   |
| CC005 | Beta version                             | Limited time to develop the project maximum in May 2019.  |

## Conventions Constraints

| Code  | Restricction   | Motive   |
|-------|----------------|--|
| CC001 | Language       | English. The project and the corresponding blog targets an international audience, so English should be used throughout the whole project. |
| CC002 | 6 person group | We didn't know each other  |
| CC003 | Time schedule  | We don't have a lot of time for developing the app. Furthermore, we are developing other projects at the same time.                        |
| CC004 | Non-technical  | Every user should manage the app.  |
| CC005 | Security       | Data must not be in touch by external devices  |
| CC006 | Privacy        | Only own users can manage their own data.  |
| CC007 | Intuitive      | Aesthetics and friendliness of the application.  |
| CC008 | Usability      | Usability of technical documentation.  |
| CC009 | Originality    | Originality of the solution  |
| CC010 | Documentation  | We use AsciiDoc  |