

Architecture Constraints

Technical Constraints

Code	Restriction	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: JavaScript or TypeScript	We have chosen this language, but we don't have enough knowledge about this languages.

| Code | Restriction | 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 | [Arc42 model](#). | 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
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Code
Restriction
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