

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. |

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 | 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

| 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 |