**Autorfy**

**Frontend Backend Meta**

Javascript

Go

Python

HTML & Jquery

Unity

Hyperledger (Blockchain)

& SmartContracts

Webservice

Tensorflow

Mysql

Node.js

Payment Gateway

| Element | Rol | Componet Description | Status | License | |
| --- | --- | --- | --- | --- | --- |
| HTML, Jquery & Node.js | MIT License (open)  Programming language and toolkit that we use for the marketplace and identity and works registration. | The Registration Portal will have a website (HTML & Jquery) in which the author and investor identities and author works are recorded in the blockchain. | Under development estimated date Month 1-2 | OPEN SOURCE | |
| Searching Portal helps to look for registered works and talent. The marketplace helps to make transactions or to contact the author by a message or by email. Every transaction will be recorded in a local database. | Under development estimated date Month 2-5 |
| Blockchain | Apache License, Version 2.0 (open)  It will be used to store author and investor identities and author works. | The blockchain (DAPP) will be feeded and affected through the smart contracts that will be developed with Go language in order to save the author and investor identities and the author works. | Under development estimated date  Month 1-5 |
| Webservice | (Opensource)  Programming language and communication framework.  API connection between the front and the backend. | It will help to build a Web Service for the data that will be shown in the AR app, it will be obtained through web services (Python) with the json format. | Under development estimated date  Month 2-3 |
| Mysql | GNU Public License (GPL) | To record author- consumer-investor data and activity that will be stored in a Mysql database. | Under development estimated date Month 1-5 |
| Tensorflow | Apache License, Version 2.0 (open)  Augmented reality module for the recognition of registered works. | A web service implemented with tensorflow to connect with Unity for the recognition of images and with additional web services (Python) obtain information about the work (author, work, registration date, etc.) stored in the blockchain and the database. | We have a prototype. Under development estimated date Month 2-3. |
| Unity | Free (proprietary)  Augmented reality module for the work recognition (just images or objects) | The AR application, will be developed in Unity for iOS and Android which uses c# as the main language, this verify content and call actions as: contacting the author and enter to the marketplace. | Under development  Month 2-3 | OPEN SOURCE |
| Payment Gateway | Propietary  gateway to process payments | This tool will allow to make payments between investors- consumers and authors, through a secure connection, connect with banks to ask for payment authorizations. Our code will connect with bank applications therefore it can be open source because the security requested by financial institutions. | Under development estimated date Month 2-5 | Propietary |





