# Requirements

## Functional Requirements

* **System Requirements**
* The Access to the platform shall be only given with an Ethereum wallet
* The platform is based on a decentralized blockchain. therefore, there’re no admins.
* **User Interface**
* The user will be able to login through their Ethereum wallet.
* The user will be able to upload files in a decentralized network type database.
* The user can download their uploaded files using their Ethereum wallet.
* User can share their experiences and any bugs that they encountered.
* **Back Bone of the system**
* For storing the files system will use a network type database (decentralized).
* System stores documents on IPFS, whose location will be encrypted on the blockchain.

And its location will be given in the form of hash.

* System is based on Ethereum blockchain through smart contract.

## Non-Functional Requirements

### Performance Requirements

* Response time of the platform should be less than 2 seconds.

* Platform shall be able to be able to handle at least 50 transaction per second.
* Platform shall be available and reachable 24/7.
* Platform will use color scheme that doesn’t include high contrast colors that reduce eye gain.

### Safety and Security Requirements

* **Authentication and password management:**
* The logins are done by the users’ web 3.0 wallets which secures their private information.
* The system will verify user each time by sending a verification to the wallet.
* There is not any information stored anywhere about the users.

### Data Transfer

* The system shall use secure sockets in all transactions that include any confidential customer information.
* The system shall automatically log out all customers after a period of inactivity.
* The system shall confirm all payment and data-reaching process with the customer’s web 3.0 wallet.
* The system shall not leave any cookies on the customer’s computer containing the user’s password.
* The system shall not leave any cookies on the customer’s computer containing any of the user’s confidential information.

### Data Storage

* The data will be stored in decentralized network type database.
* System is 100% privacy focused. Therefore, we don’t store any kind of information about user.

### Software Quality Attributes

## Usability

* The system shall provide a uniform look and feel between all the web pages.
* The system shall provide a User-friendly interface

* The system shall provide use of icons and toolbars.

### Accessibility

* The system shall provide handicap access.
* The system shall provide multi language support.
* The system shall be able to get connected from any geographical location.
* The payment method and currencies will be different according to the geographical location.

## Reachability

* The product shall be based on web and must be run from a web server.
* The product shall take initial load time depending on internet connection strength which also depends on the media from which the product is run.
* The performance shall depend upon hardware components of the client.
* The maintenance and fixing bugs of the program shall be solved at the ending of each 6 month.