# Peer-to-Peer currency swap

- **Propose of the app :** The app for the first step will not ensure any confidence of the users. It's only propose for the moment is to bring users with similar needs together.

- **Components need to develop :** There will be two part to make the app works : the frontend and the backend.
  - The backend can be developped by any language to handle centrelized Relational DB, user/order state.
  - The frontend can be a web browser (HTML5) or native smartphone app (iOS AND android). To discuss pros/cons . The idea is smartphone is more expensive but will have better usability.

- **Third part services provider to consider** (apart from development fee):
  - For sur, there will be a fee to handle a server to handle the backend part. Should be reasonablely 10-20$/month.
  - If the smartphone app choice is taken, there will be a fee to be able to upload our app to Apple store and Google Store, so that user can download and use the app. This fee can be nearly $100/year for each store.
  - If desired, a service for monitoring/maintenance server might be investigated.

# End user GUI

Home

Profile

Swap

My History

Notifications

## Profile

| | | |
|---|---|---|
| Account | helloImUser     [should be unique] | |
| Name | Nicolas Sarkozy | |
| Telephone | +33 6 42 71 89 53 | Edit |
| Email | myemail@hello.com | Edit |
| Country | United Kingdom | |
| Bank Acc | *** optional *** [hide/show] button | Edit |
| Password | **************** | Edit |

**Public Informations**

Swap

| | | |
|---|---|---|
| Get | 100 | GBP |
| Give | 130 | USD |
| Rate | 1.30 | |

Lock

Summit  Request  [Request to specific user]

| User | USD | GBP | Rate | |
|---|---|---|---|---|
| user1 | 260 | 200 | 1.30 | Swap |
| user2 | 198 | 150 | 1.32 | Swap |

ComboBox

Push Button

Radio Button

## My History

### List order awaiting to clear

| Give USD | Get GBP | Rate | Swap with | | |
|----------|---------|------|-----------|--------|------|
| 130 | 100 | 1.30 | user1982 | Cancel | Done |

### List order awaiting to be accepted

| Give USD | Get GBP | Rate | | |
|----------|---------|------|------|--------|
| 130 | 100 | 1.30 | Edit | Cancel |

### List cleared order

| Initializer | Give USD | Get GBP | Accepter | rate | Date Time |
|-------------|----------|---------|----------|------|-----------|
| user1 | 130 | 100 | user2 | 1.30 | 22/07/17 15:30:00 |

ComboBox

Push Button

Radio Button

# Life cycle of an order

Edit

Init

Accepted

Cancel

Cleared

Split

Partially Accepted