I'm designing a management platform for Remar pay.

Remay pay is a company that deals with currency exchange from one country (say Libya) to others (say Nigeria, Niger, Cameroon, etc). It's a one way exchange (they collect Libyan currency, exchange it based on a set rate, and then sent it through banks to other countries where the client needs: Nigeria, Niger, Cameroon, etc).

Mode of operations:

Staff:

1. Cashiers

2. Payment agents

3. Chief Manager

The chief manager will send different currencies (Nigerian, Niger currency) to the bank account of the payment agents.

When a client comes, the cashier will collect the money he is willing to send to his home country, they'll then convert the money (Dinar) according to the rate set by the manager. If the amount of money is less than 500 Dinar, there'll be a fee of 5 dinar that they'll charge the client. When all these conversion is done, they collect the receiver’s bank details from the client in a teller (receipt). They'll then share this collected details (on the teller) to the payment agents. The payment agents will then check which currency is required, if it's Nigerian currency then the agent responsible for that will pick up the details and make the payment and then generate a payment confirmation receipt and share it back for documentation and audit (also if it's Niger or other currency, the agent responsible will do the same).

At a certain point in time (say weekly), they check their profits and everything by checking the cumulative amount sent by the manager to the payment agents, the total Dinar collected by the cashiers and the total amount paid by the payment agents and the remaining balance.

They calculate their profits in the following way:

1. The difference between the exchange rate they pay (set by the manager) and the actual market rate;

2. The 5 Dinar charges for an amount less than 500 Dinar

These are summed up to give the total profit.

I'm planning to automate the management system for them as follows:

\* Creating a platform that'll be able to simplify and take care of all the procedures

\* There should be dashboard for each class of user

\* In addition, there should be a dashboard for tech-admin who'll be overseeing every body and everything. He'll be able to access everything, everywhere, unrestricted.

The chief manager should be able to

\* set the exchange rate (the current market and the company rate) for each currency,

\* See the list and details of all staff

\* When sending money to the payment agents, should have a section to see the payment agents details and select the one he wishes to send money to and the agents payment details should appear, after making the payment should click the funds send button wich will trigger the agent to confirm the funds reception (when the procedure is complete on both sides the system should automatically take that into account for the purpose of bookkeeping, analysis and report),

\* Should be able to suspend any user from accessing the platform (if a user is suspended, he shouldn't be able to use his account, even if he logged in he'll just see a suspension message and can't do any other thing),

\* Track the payments made by agents, the total amount of funds they received from the manager and the total payments they made,

\* Generate general transactions report, analytics and profit analysis for a week or more,

\* Everything generated should be downloadable as PDF,

\* Etc

The cashiers:

When they collect money (Dinar) from the client, the first thing they'll ask is which country is he intending to send the money to, they should go to deposit section on their dashboard. The first thing the dashboard will ask them is to select country; any country they selected will then prompt them with the amount of Dinar the person is depositing. If they entered the amount the system will automatically return the converted amount the receiver will get in the receiving country's currency. The conversion rate will also be displayed. If the amount is less than 500 Dinar the system will automatically deduct 5 Dinar before making the conversion and it'll also shows that the 5 Dinar were deducted. The system will then prompt the user to fill out the payment details according to the receiving country's requirements (e.g. for Nigeria: Bank name, account number, account name, depositors name and number) which I will supply later.

When all information is correctly entered and confirmed, the user then sent the request which will be received on the payment agent’s dashboards. Each payment agent will only receive a payment request based on the country assigned to him by the chief manager (the chief manager will assign countries to each agent respectively and he should be able to change it at anytime), this is to avoid double payments by different agents.

The request should keep pending until confirmed by the payment agent.

The payment agents should be able to:

\* See pending funds sent by the manager to them awaiting confirmation, when they confirmed it will count into the amount disbursed to them (for analytics and reports)

\* See pending payment requests sent by the cashiers and they should view the request details and then make the payment. They should then mark the request as paid which will send back notification of the payment to the cashier.

\* The agent will optionally have to upload the payment receipt (he can do it later at anytime he wishes) to each request he paid so that the cashier can view the receipt and download it.

\* The system should automatically count the confirmed payment into the ledger for analytics and reports.

The tech-admin will be responsible for all technical aspects and every other thing (with no restrictions). From his end he can be able to access each other user's dashboard and perform or undo operations for them. He should be the one that can add users and their roles to the platform. He should issue all the users their logins (email and password).

A user, when issued the logins, can change his password only when he's logged in the platform. He can do so under his profile by simply supplying the new password and confirming it (without any need for email integration, etc).

The tech admin can reset each user’s logins at any time when needed.

The tech-admin, as I said, can be able to access each user’s dashboard and perform operations (or undo) they are supposed to do including the chief manager.

Each request or confirmation sent by a user should be signed with the user identification (name).

Each user profile should include:

\* Name

\* Phone number

\* Role

\* Email

\* Profile picture

\* Etc

Each user should be able to access the profile details of all the staff, but the users shouldn't be able to access the details or anything about the tech-admin, he should be anonymous.

Each user should be able to view analytics, reports of his actions and the general actions of the company. The report should be downloadable as PDF. The user should be able to customise the date range for the report and the analytics.

The cashier should also be able to optionally upload a picture of the receipt he gave the client at anytime he wishes. The upload should be on the respective order.