

Problem Statement:

Paydeck

Team Details:

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General Description:

Payment book application is designed to maintain customers, payments and their purchases. A retailer will be an admin of the application and each customer of the retailer's shop will be the user. Customers can create their account in the payment book app by reading and agree to the terms and conditions of the shop.

Novelty/Uniqueness:

- Login as Merchant or Normal User (like master of the house).
- End to End or Group chat interface with payment & call.
- Check our transaction history and account balance.
- Stock maintenance here it manages the stocks of the merchant which has been sold or bought. If there is low stock a message will be hitting to the merchant.
- Notebook handles the total payment done by the user done in any mode. It can calculate the profit and loss.
- Digital savings.

Business and Social Impact:

- The user can make a remainder through chat or phone call. They make through the chat too.
- Stock maintenance is mainly used by shop merchants, it shows the stock available in the shop, if the stock is in less number it will be hit a message to the retailer to make an order through the app if the retailer accept the notification, order will be placed, he don't want to make a call or message for the stock.
- Note book can be used by both retailer and Normal user, to know their expenses on living's (like EMI, Groceries, Food, etc...), so they came to know how much

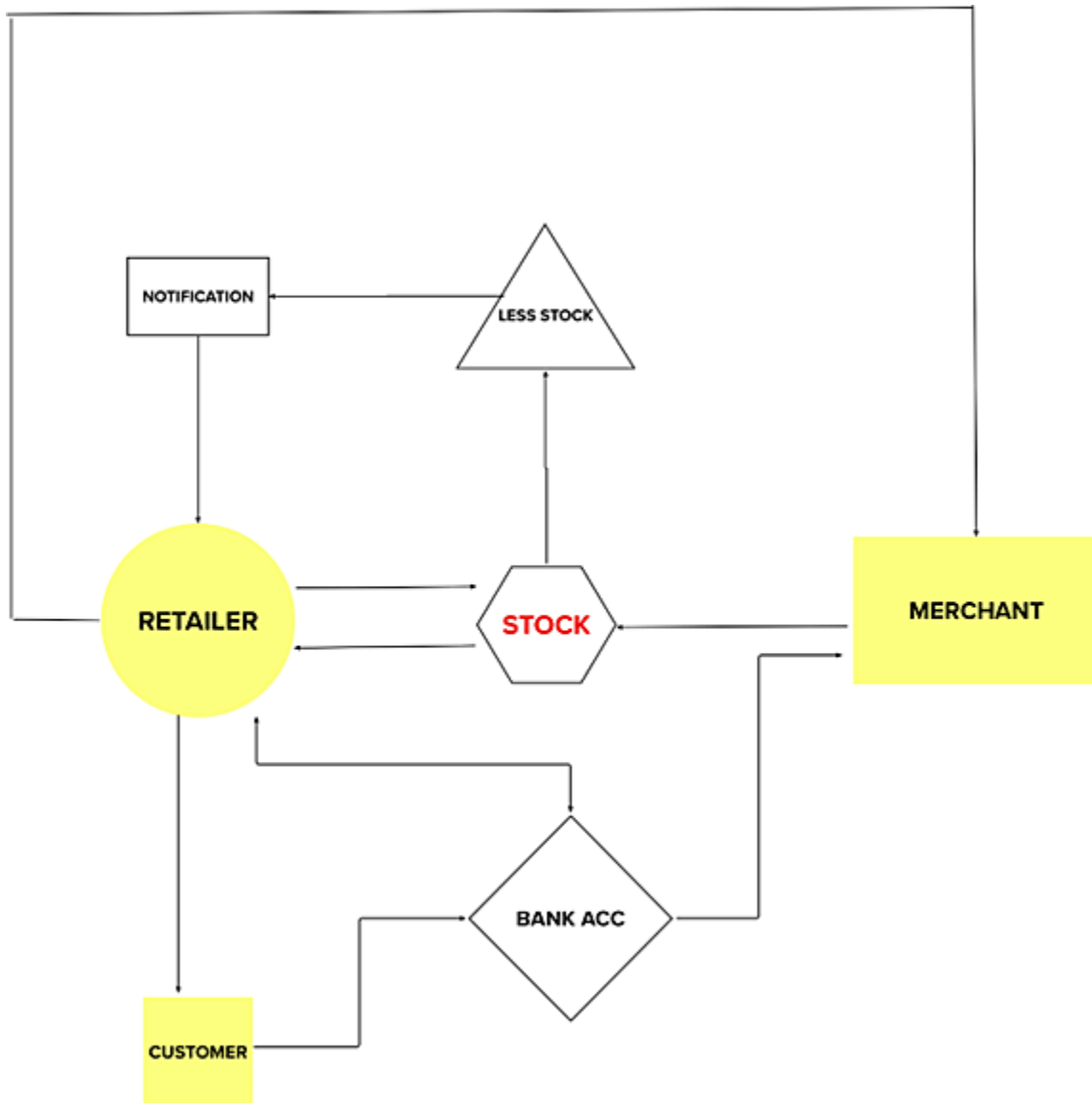
they spend on their livings.

- For merchant it will make a total payments sent and received by the customer and for stocks. It can make an average calculation for a week and month, so that he can make it precisely, by using the retailer can check profit or loss.
- By using the note book they come to know what are all the stock has been gone for profit and loss.
- For normal user it will calculate the daily expenses spent by them. It can make an average calculation for a week and month, so that they come know their miscellaneous expenses and they reduce it for upcoming month or week.
- In Digital Savings we can save our part of monthly income, we can make spend the money before spending it will notify that it's our savings, so that the user can spend or not.
- The note book makes a note of every mode of payment even other third party apps.

Technology Stack:

1. Data Analytic
2. IBM DB2
3. Python
4. JavaScript
5. IBM DOCKER
6. OpenShift

Scope of Work:



- Not only for the benefits of merchants it can be useful for normal users like using the notebook.