

Easy Pay

Our Idea:

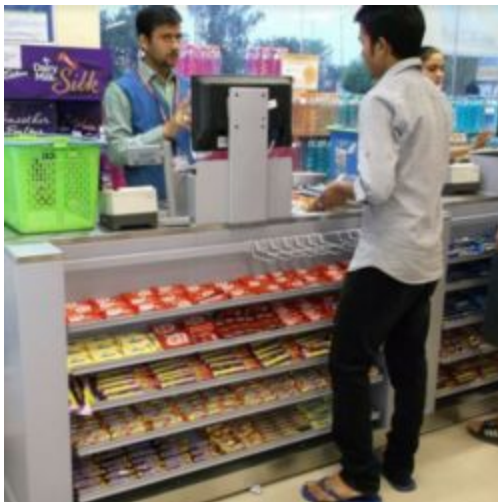
We want to introduce a new method for making the payments(in shopping malls etc). We often use cash, cards, UPI for making payments, how about doing the payment without including any of these ?. Yes, that's our idea. We want people to make their payments with just their fingerprint.

How it works:

Our company provides credit money of some amount(20k, 30k, etc) per month based on different factors like user monthly salary, bank balance, etc. Users register their fingerprints with us. We provide one application for the billing team in shops, which is capable of reading user fingerprints. So when the user finally wants to pay the bill in bill counter they simply put their fingerprint, our application recognizes the fingerprint and automatically deducts the amount from credit money which they have. So people don't need to spend much time while making their payments and they can clear the dues with the company every month once.

High Leve Steps:

1. Users come to the billing counter, once he/she completes their shopping.



2. Billing boy scans the items and displays the total bill needs to be played on the screen.



3. The billing team will also have a fingerprint reader(provided by our team).

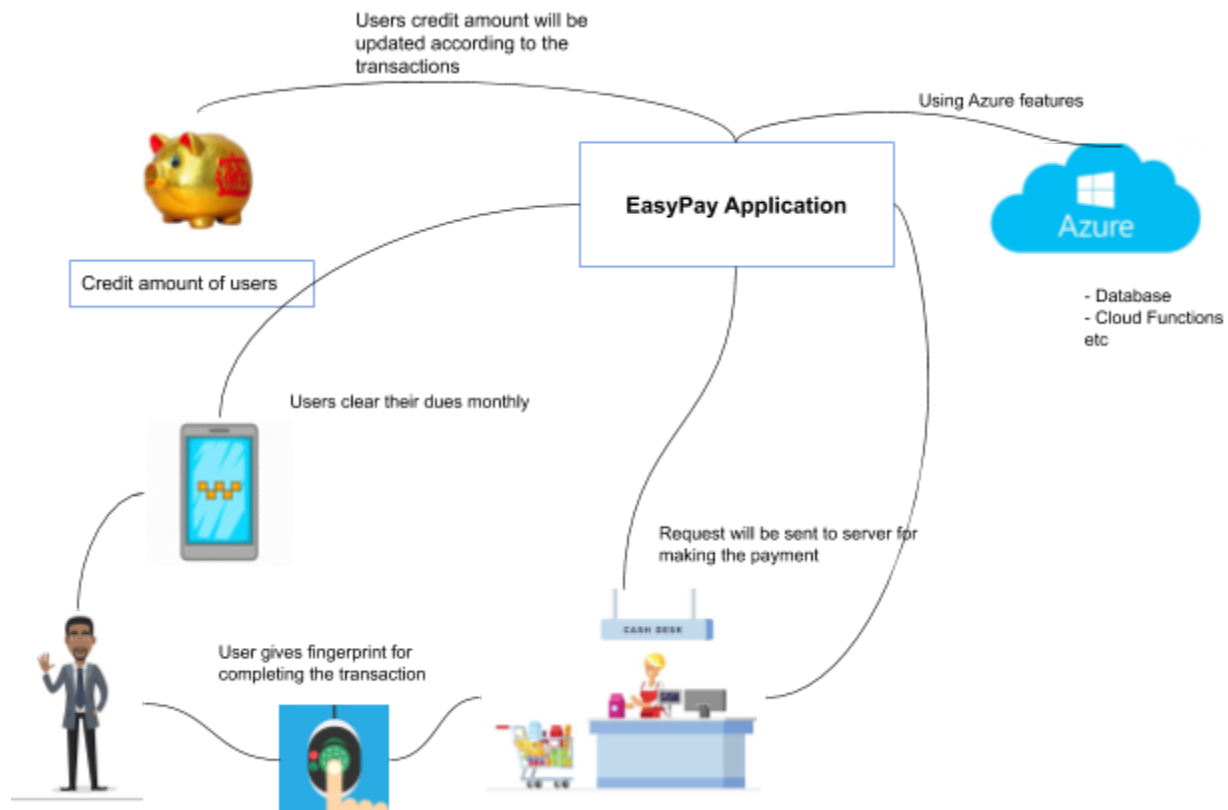


4. Once the user gives their fingerprint, our application recognizes the user and decides if he/she has enough credit amount to do the transaction. If yes, it makes the payment automatically and sends a notification message to the user.

Azure Technology Used:

- Azure SQL Database
- Azure Cloud Functions

High Leve Architecture:



How we used Azure features in the prototype:

- We have created a mobile app, using which users can see their transaction details.
- Used **Azure SQL database** for storing the user information and transaction information etc.
- Created a python script for reading the data from the **Azure SQL database**.
- And hosted the above python scripts as independent serverless **Azure Cloud Functions**.

Technology stack used in the prototype:

- Android, Python, **Azure SQL database**, **Azure Cloud Functions**.