FOOD COURT SAATHI

INTRODUCTION

- Food court payment system aims at providing reliable yet easy to use method for the purpose of ordering food form various shops registered on the application.
- The system is an online application that can be accessed throughout the food court and outside as well with proper login provided which gives the user flexibility of ordering the food from their favourite listed shop.
- This software package can be readily used by non-programming personal avoiding human handled chance of error.

DESCRIPTION

- This system of ordering and payment consists of following three modules :

1. A money collector WebApp.
2. A Shopkeeper WebApp.
3. A customer mobile App.

- Money collector at the main counter by logging in has the access to transfer Digital Tokens by taking hard cash and also register for shops.

- Shop owner representatives can also sign up to get registered their shops and can also add and update menu of their shops.
- Customer signup into the app and get tokens from collector.
- Every Customer which is logging in through the mobile app has access to various menu of all the registered shops. Customer can buy foods and beverages in exchange of tokens.

OBJECTIVE

Our project provides the facility to get access to the list of Foods and beverages provided by the various shops situated in Food Court and order the edibles according to their choice.

The objectives of the system are:

- To reduce queue in front of shops.
- Reduced operational time.
- No need of exchange of hard cash at every counter.
- Transaction security through Block Chain.

TECHNOLOGY

- Front -End : HTML,CSS, BootStrap
- Back-End : Nodejs ,Blockchain
- Android OS

MODULES

- There are three modules in the project
- Collector
- Shop Owner
- Customer

COLLECTOR

- Task is to collect money(in cash) from customer and transfer respective amount of token to his/her respective wallet.
- Other responsibility is to register shops of that locality.
- Acts as an Admin of application.
- He is the first to login through the web portal which will provide unique identity info.
- Then he has access to both the tasks.

file:///home...s/index.ejs

///home/hadoop/final/food/views/index.ejs

Search

LOG IN

About Us

We provide a secure handy platform that provides you services from the order of food till get the food to your table.You have your own secure wallet that have tokens and your order status.You can make token transactions to order food in a secure way since we provide blockchain transactions.

you haven't started Firefox in a while. Do you want to clean it up for a fresh, like-new experience? And by the way, welcome back!

Refres

file:///home/hadoop/final/food/views/login.ejs

Search

FOOD COURT

login to your account

Email ID

Password

Sign Up

It looks like you haven't started Firefox in a while. Do you want to clean it up for a fresh, like-new experience? And by the way, welcome back!

file:///home...register.ejs

ome/hadoop/final/food/views/register.ejs

Search

FOOD COURT

LOGIN

Shop Registeration

Email ID

Password

Name

Phone Number

Sign Up

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SHOP OWNER

- He or she updates the list of food items (menu) that reflect in android app usually.
- Get notified when customer order the food.
- Get the respective tokens transaction as per menu with customer.
- When the order is ready send notification order is ready.

FOOD COURT

LOG

SEND TOKENS TO ACCOUNT

Send Tokens To Account :

tokens :

Send Tokens

Refresh Firef

clean it up for a fresh, like-new experience? And by the way, welcome back!

CUSTOMER

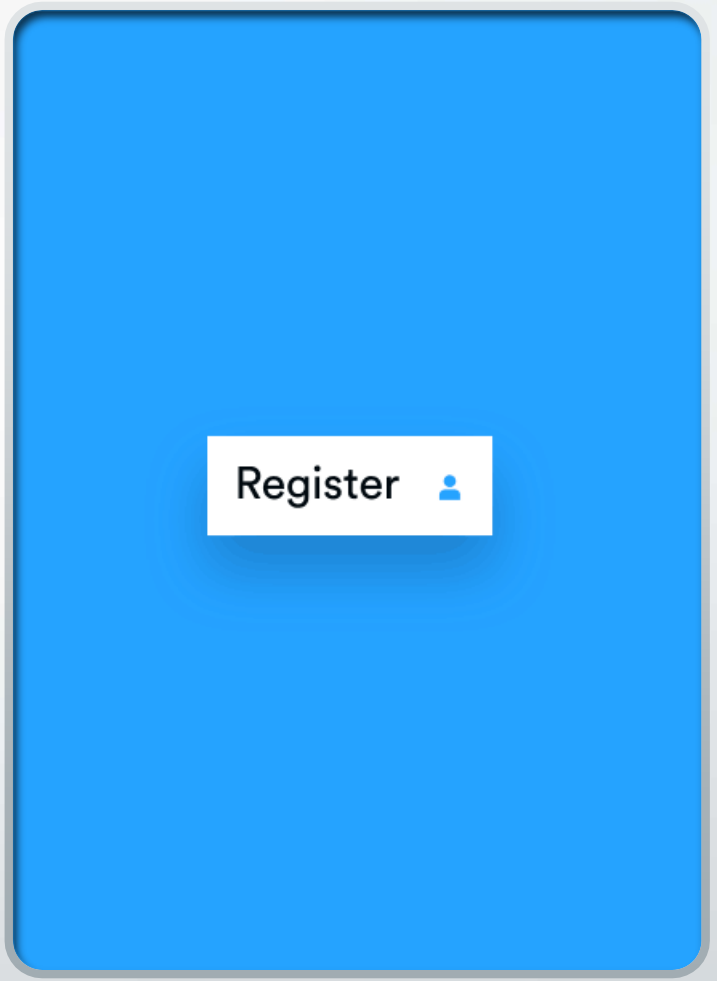
- The customer is the end-user of the application.
- He/She registers himself into the app.
- After registration the list of registered shops appear and according to the need the customer can order the food.
- Transaction will be Through

USP
(The Blockchain Technology)

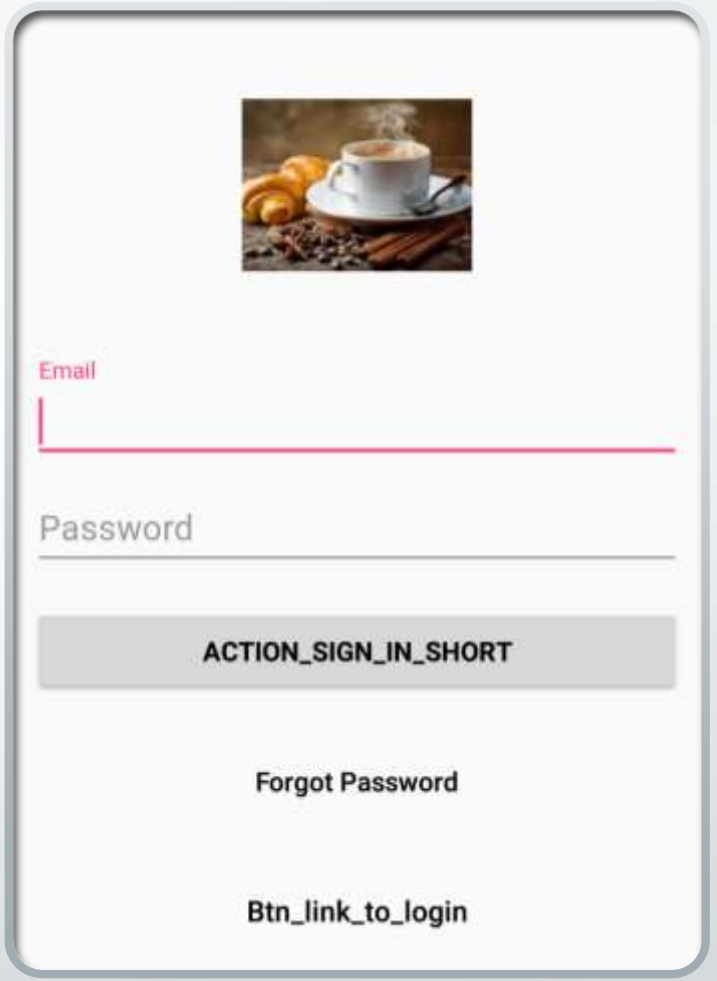
- Our application involves transaction of tokens which is quite risky.
- Anyone can easily deny the transaction that happened.
- To avoid such condition , our project involves the very new technology The Block Chain.
- In this , we record the transaction on distributed ledger.
- When transaction of tokens between collector and customer or shopkeeper and customer takes place transaction is saved in the blockchain database.
- Since block chain is immutable anyone can get the transaction history and avoid non-repudiation.

IMPLEMENTATION

Shopkeeper registers with the money collector



Customer signs up/ signs into his/her account.



Customer goes to the money collector to deposit cash

Shopkeeper deducts the required number of tokens from the customer’s account

Customer places his/her order by sharing his/her token number with the shopkeeper

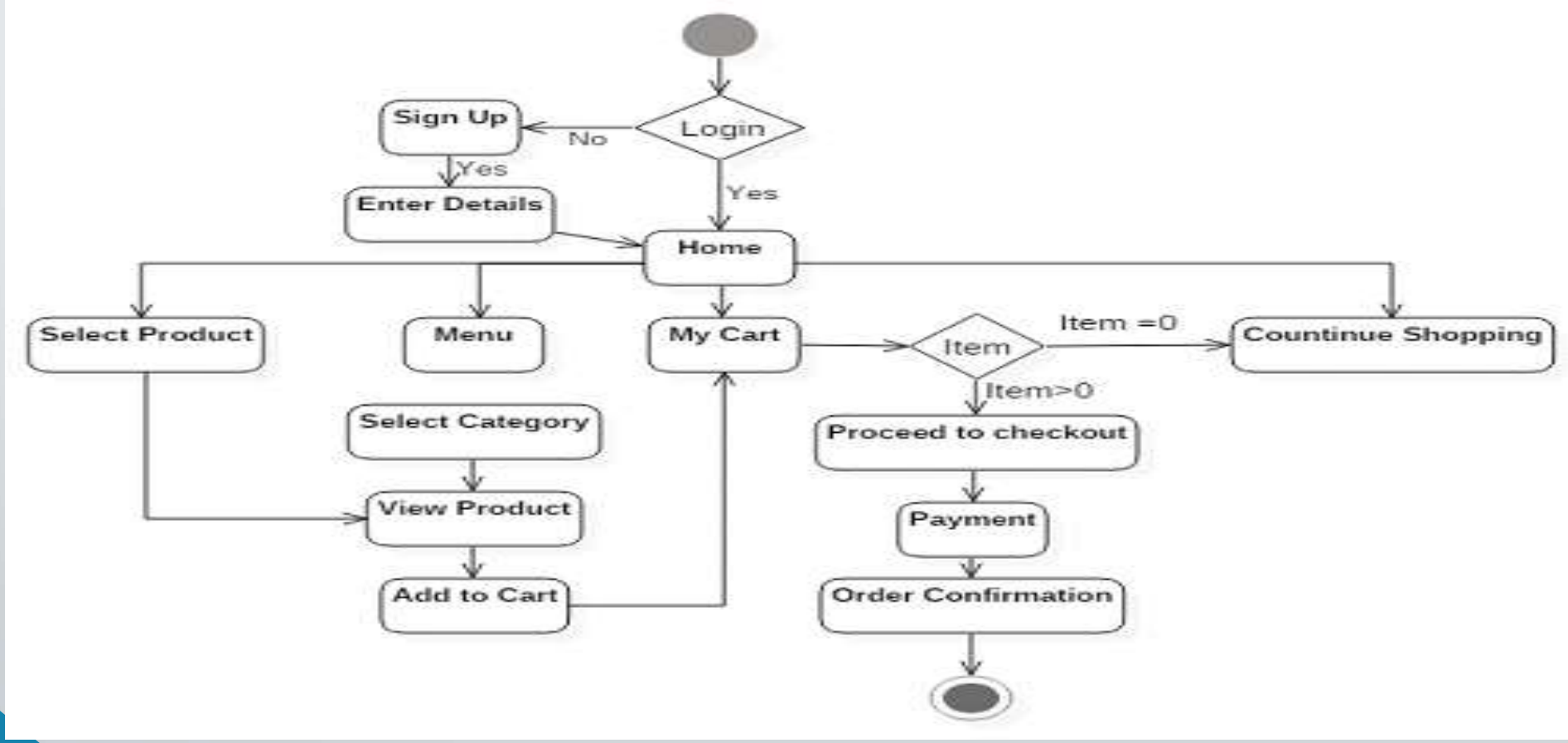
Customer views the available choices at the registered shops

Shopkeeper notifies the customer about the deducted amount and the order completion time

Customer visits the shop to receive his/her order

Shopkeeper (at the end of the day) goes to the money collector to receive hard cash in exchange of tokens

Proposed Architecture



Application

Application

- It provides a digital platform to provide facility of food ordering in very handy way.
- It can be applicable in wide rangings like bakeries , bars etc
- Not need to keep waiting in long queues for each shops .

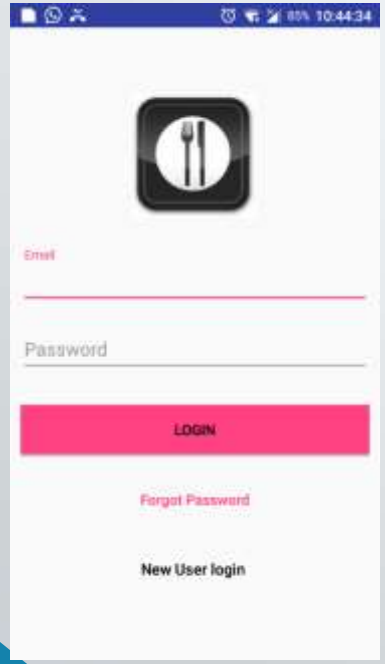
Limitations

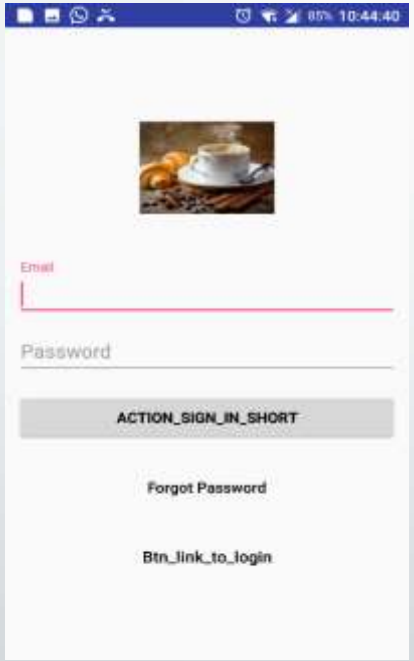
- It involves hard cash transactions.
- It has limited scope for particular locality.
- It may involve connectivity issues.

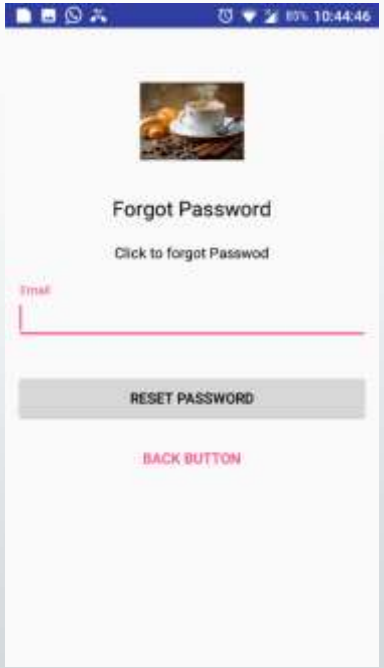
Conclusion

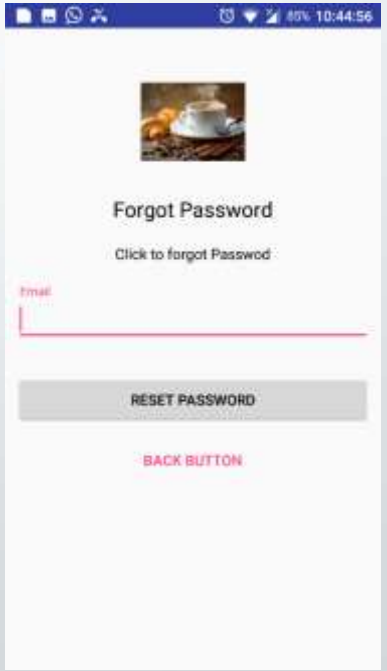
- It makes the world , a better place for FOODIES.
- We can do all kinds of app related tasks in an handy way with friendly UI.
- Provides secure token transactions so that no one can deny.
- Provides digitally secure , handy platform.

Screenshots









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