



SmartCart

<http://smarkart.000webhostapp.com/>





Familiar with
queues?
We all are.

A decorative pattern of hexagons in various shades of blue and teal. Some hexagons contain icons: a lightbulb, a thumbs up, a smartphone, a magnifying glass, a gear, and a speech bubble. A large teal hexagon in the center-left contains the number '1'.

1

The problem

Since the birth of the shopping mall itself, we, as consumers have despised standing in long lines, waiting for cashier to check our products out.



In one industry study, 58 percent of respondents reported that being on hold made them feel frustrated. This frustration often manifests itself in a lack of patience.



The idea

How about cashless and counterless shopping centres? Imagine a customer walking in, picking up what they like and being free to leave?





Implementation

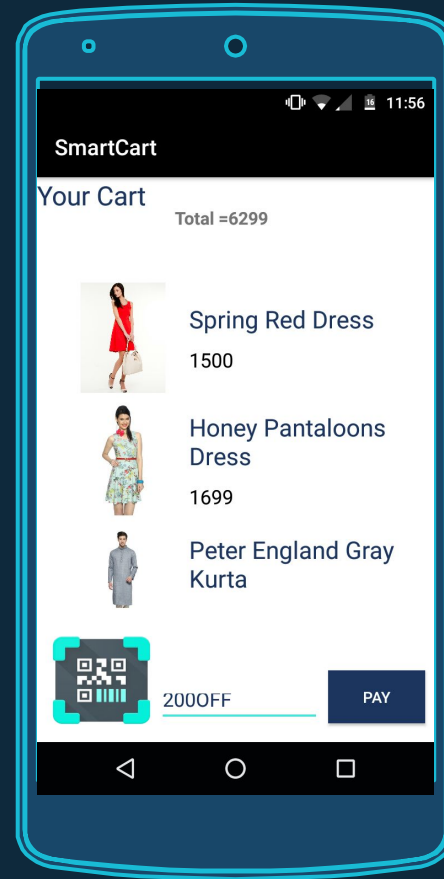
- ◇ We have built an app which does the billing for us.
- ◇ The app allows the user to scan the product QR codes, finalize the items in their virtual cart and pay accordingly.

It aims to create smart stores which will improve in-store shopping experience.



Android project

And this is how the final project looks like..





Our process is
easy





Working

Account

The user needs to first sign up with a valid phone number. Once an account is created, they can use it every time they shop.

Selection

Whenever the users add some item to their carts, they scan it so that it appears in the virtual carts as well.

Check-out

After finalizing the items, he/she can simply click pay and the money is deducted from their wallets and paid to the mall.



Implementation

Database

The project is powered by MySQL database on its backend.

Languages

Java is used for functionalities and PHP is used to establish connection with the database. XML represents the front end.

Technologies

Zxing is used for QR functionality. Picasso is for image retrieval from the database. OkHttp for retrieval from web.

Hosting

The MySQL database, images and PHP is stored online. Thanks to 000webhost for their free services.

Requirements

The only requirement is an android powered mobile running on a 4.1.2 version or higher with a minimum API level of 16. Therefore, compatible with 99.2% of total devices.

Model

In Iterative Development Model the delivery of software is divided into increments or builds with each increment adding new functionality to the software product.



Impact

Not only does this save the consumer's time but also any shop owner would be more than happy to have this system as they do not need to hire cashiers anymore. That saves a lot of capital on the billing process. This system can be better utilized to provide the consumer with better service and more perks for shopping.





Thanks!

Any questions?

You can ask us:

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