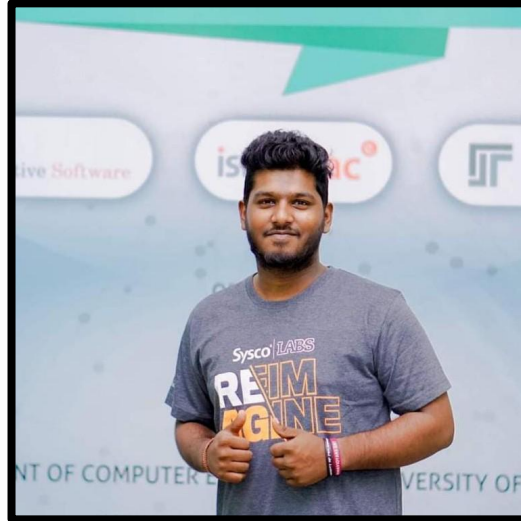# Smart Vending Machine

Milestone 3

Group 01

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E/16/055**

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E/16/172**

Problems

- Lack of 24 hrs Open Shops.
- MRP products sold for higher prices.
- Having a big space for a shop.
- Traditional vending Machine problems.

TRADITIONAL VENDING

IMPORTED CHINA MACHINE
HIGH IMPORT COST
TRADITIONAL CASH & COIN PAYMENT
MANUAL CASH COLLECTION
STANDARD MANUFACTURED
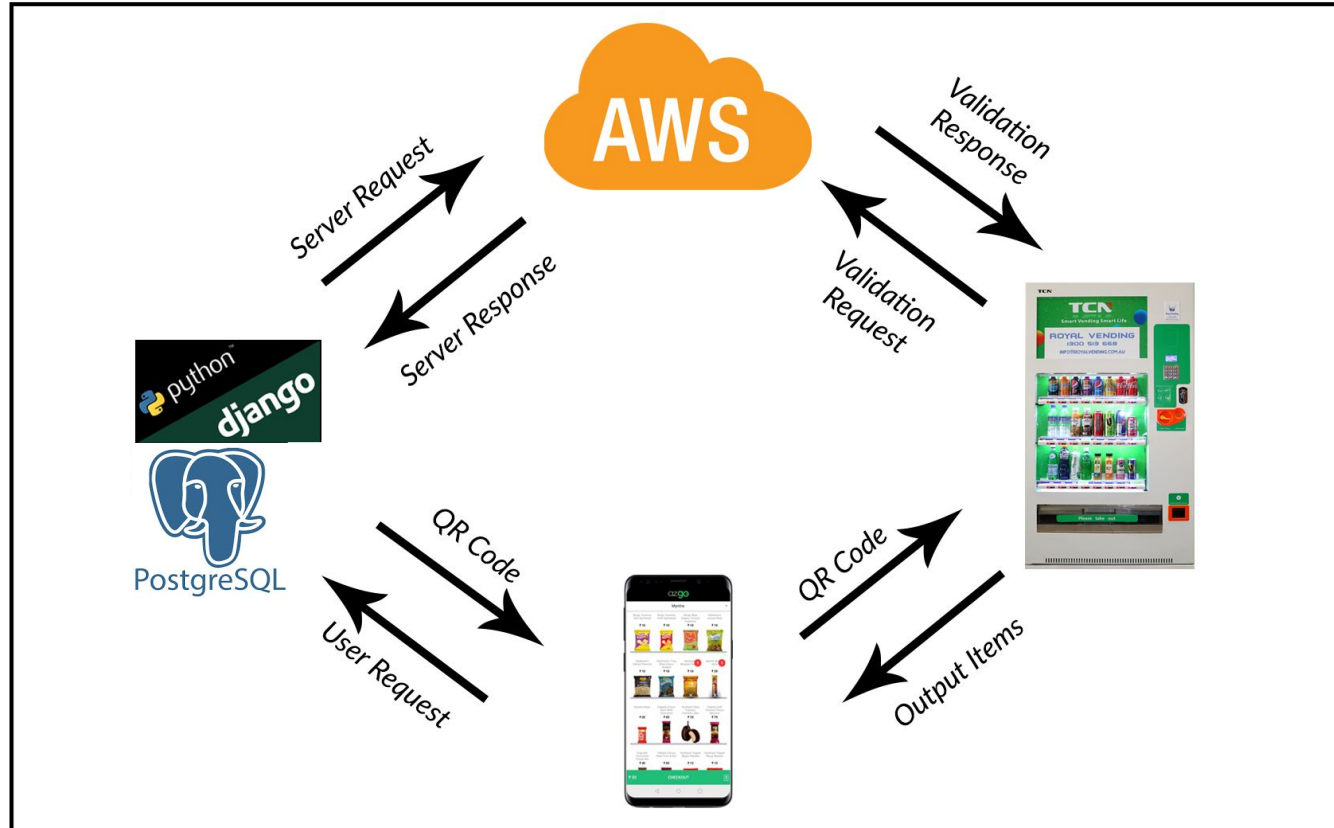
USER FRIENDLY
SPEED
COST SAVING
DESIGN

E-WALLET VENDING

IMPORTED LOCAL ASSEMBLE
LOWER COST OWNERSHIP
SCAN TO PAY, GRAB TO GO
ONLINE WITHDRAW PROFIT
BRILLIANT MECHANICAL DESIGN

USER FRIENDLY
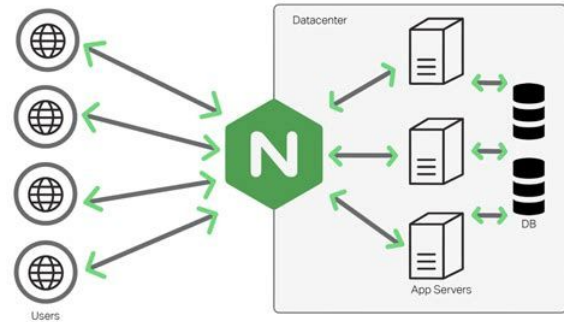SPEED
COST SAVING
DESIGN

VECHNOLOGY

Solution Overview

Cloud Server

- AWS EC2 Instance NGINX Server
- Gunicorn wsgy server
- Database is PostgreSQL
- Database is on AmazonRDS

Server

- Web Application Using Django
- Database is on PostgreSQL

Security

- Role Based access Control (django.contrib.auth.decorators)
- Hashed Passwords (django.contrib.auth.forms   )
- CSRF token is used to keep the Content safe.(Cross site request forgery)
- For Secured Payment transaction Paypal is used
- Ratelimit. (from ratelimit.decorators)

Django Security Check

Unit Testing

- URL unit Testing
- POST/GET Request unit Testing
- Form Validation Testing

happyvending

Daily milk

Add to Cart   Buy   **$20.0**

Coca-Cola

Add to Cart   Buy   **$25.0**

pepsi

Add to Cart   Buy   **$27.0**

Snickers

Add to Cart   Buy   **$15.0**

Bottled Water

Add to Cart   Buy   **$20.0**

Red Bull

Add to Cart   Buy   **$60.0**

Q & A