

Web Dev Project

Problem Definition:

In siwaka food vendors have difficulties keeping track of orders and earnings, additionally, students tend to be unable to keep track of their spending on food and drinks. Expanding on the vendor's part, because of being unable to track orders effectively there is an influx of long lines and poor coordination of who has paid for what. Diving into earnings, food vendors are unable to get an aggregated view of their revenues in a statistical manner. What this entails is that they find it difficult to expand their business ventures efficiently.

Solution

Using a highly sophisticated website we intend to solve this problem by consolidating orders online on a single website for which divides users into two groups: Buyers and Sellers. On the buyer side our website aims to provide dynamic ordering database view where vendors can see who has ordered what and if they have paid. Additionally, it will be able to track their revenue and use efficient algorithms to present the revenue in digestible manner.

On the user, as the economy is experiencing inflation students will be able through the website to track their food spending the website will use algorithms to guide them on a budget that will be proactive.

We intend to use resources such as: github, html, css, javascript and mysql.

3. Information Architecture: Detail the components of the website, the pages and the role for each page. Also draw the rough sketch of how you visualise the website to look like when completed.,

Information Architecture:

HomePage → Siwaka Street Eats

Homepage ideas:

1. pictures of strathmore students
2. seller and buyer login

Seller

login & register

- Email and password
- Register:
 - name
 - upload of Food liscencer
 - Mpesa Paybill/ phone number → mode of payment
 - Name/general location → images of the place
 - Menu / prices → images or text

Buyer

login & register

- Email and password
- Register:
 - Phone number
 - Name
 - Mpesa name

::After Login(Buyer) → Page: Buy Food

- Navigation Bar
- Vendors (Name & rating) / image of the place
 - Menu
 - Add to Cart
 - Quantity
 - Mode of payment → cash or mpesa
 - Review
 - Delivery
 - Specifications
 - Estimation/ Delay
- Dashboard
- Contact Us

::After Login → Seller View

- Products
 - update
 - Add
 - Remove
 - Orders
 - Discount
 - Time of taken
- Finance
 - Earnings
 - Overview of products: statistics
- Busy checkbox

- Customer Service

4. Value Proposition: Discuss how the solution you have come up with will offer value to the intended users.

The website intends to help small food vendors consolidate their earnings under one application that will allow for better decision making with accurate data.

For Buyers they will value the ability to order on the go reducing lines and order confusing during busy hours additionally the application will track spending and give them a budget to work with.

Overall → The website will create a digital space for the siwaka economy to thrive.

5. Revenue Model: talk about the monetisation options that you may want to consider for your proposed application

Our Website will require to implement a monetisation scheme where vendors will be required to pay a standard fee to host their shop on the website. Additionally

we can have an Advertisement algorithm that will allow for vendors to pay to boost coverage on app.

Most importantly we will require to implement a payment method for the buying of food commodities on the buyer side.

