



# **DESIGN DOCUMENT OF VERY-FI**

## **Data Design**

The Very-Fi system is one with which a user verifies the authenticity of product against registered products by the Food and Drugs Board. Hence a simple database is needed to be able to do this, where a user queries with a unique entity so as to return a result showing either the details of registered product or return that the queried item is unregistered if not in the database.

## **Database Design**

The following data model is designed to hold information relating to the Very-Fi System. The Model is a very simple one which consist of one table and the entities in that table should include:

FDB\_No

Product\_Name

Product\_Description

Product\_Production\_Date

Product\_Expiry\_Date

<b>Registered_Products</b>
FDB_No
Product_Name
Product_Description
Product_Production_Date
Product_Expiry_Date

## **Procedural Design**

the Web application would be developed in two days from Thursday 26 th July, 2012 at 10 a.m to 27 th July ,2012 at 5 p.m. Priscilla Synaepa-Addison and Kofi Dwomoh-Ababio would be responsible for developing the models.py and urls.py while Moses Obeng and Gifty Ofori-Adu would be responsible for developing the views.py and templates. Theophilus Kwaw-Annor would be the general supervisor for this project. His duty would be to make sure all the codes work.

The SMS application would be developed on Monday July 30, 2012 from 10 a.m to 3 p.m. It would be a collaborative project, thus every member would participate. Moses and Kofi would be the key persons. Data entry would be done afterwards till 5 p.m. Priscilla Synaepa-Addison would be the chief coordinate for that day.

Tuesday 31 July, 2012 would be the Test Day. The whole system would be tested to ensure that everything works. Moses Obeng would supervise the project for the day.

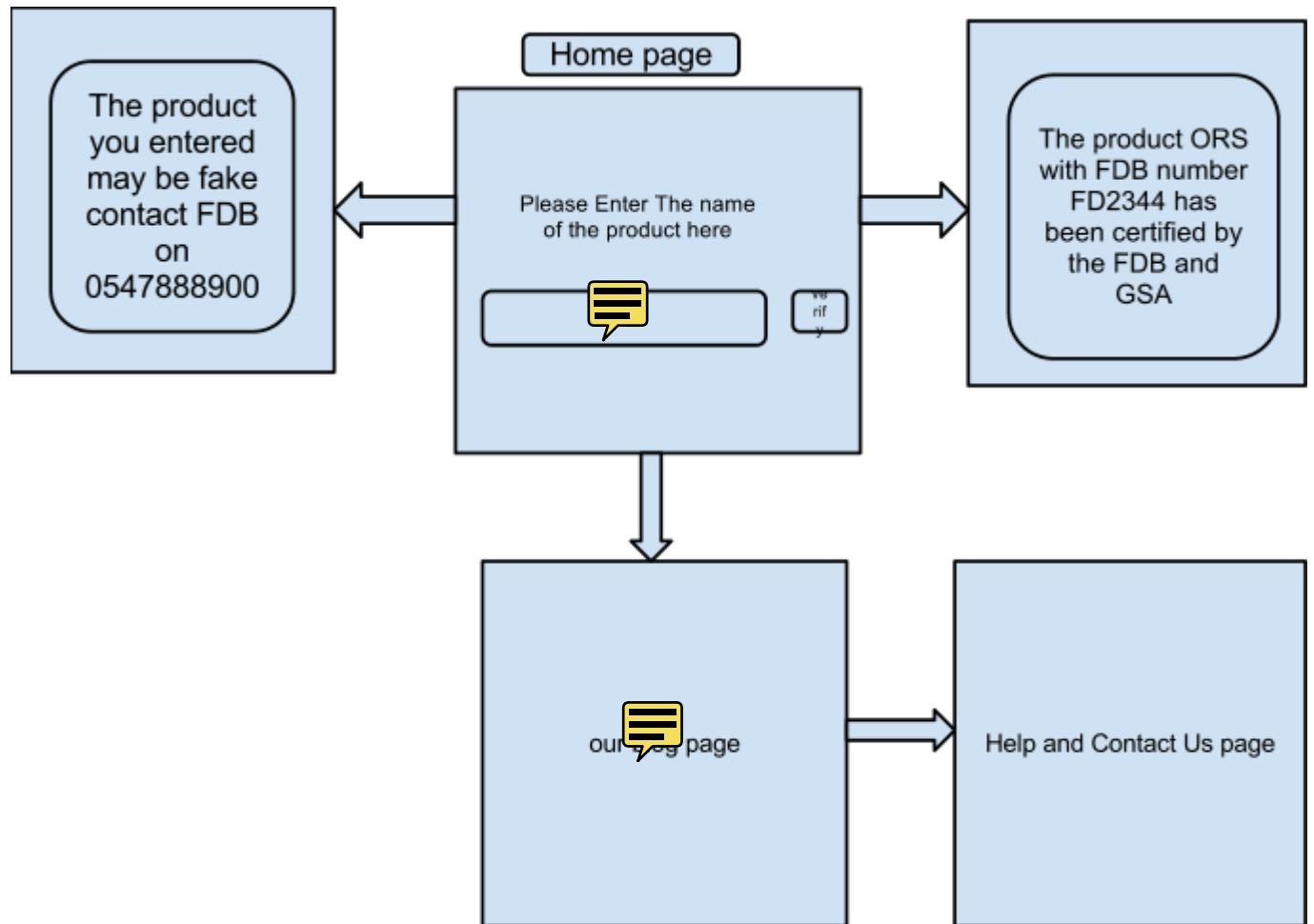
Wednesday would be an Eternal Testing with the general public that is a sample of our target market. This should start from 10 a.m to 3 p.m. Afterwards, the team would prepare for the D-day (Demo Day). Kofi Dwomoh-Ababio and Gifty Ofori-Adu would be the supervisors for that day's project. We are so excited, woop woop !!!

#### RULES:

1. No facebooking during working hours
2. Only emergency calls would be allowed, where Emergency means the caller is dying.
3. Work would start at 10 a.m each day and every member must be on time.
4. Anyone who breaks any of these rules would pay a penalty of ten cedis

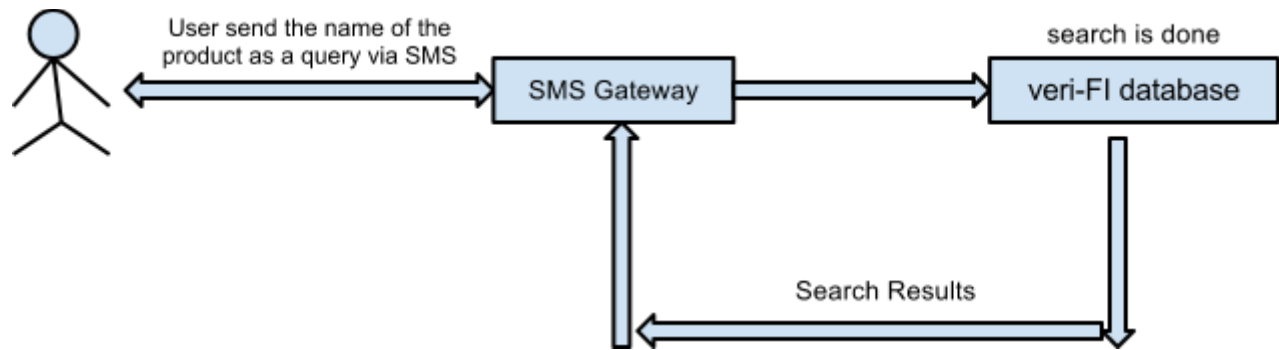


#### Interface Design



The diagram above describes how a reply is provided to the customer. The home page will have a text box that allows the customer to query the either name or FDB number of the product. A page which contains either the details of the product is displayed if the product has been certified (box on the right) or another page which confirms that the product has not been certified is displayed (box on the left). The home page would also have buttons that link to the blog page, a help page and a page that contains our details and contacts (contact page).

## SYSTEM ARCHITECTURE SMS

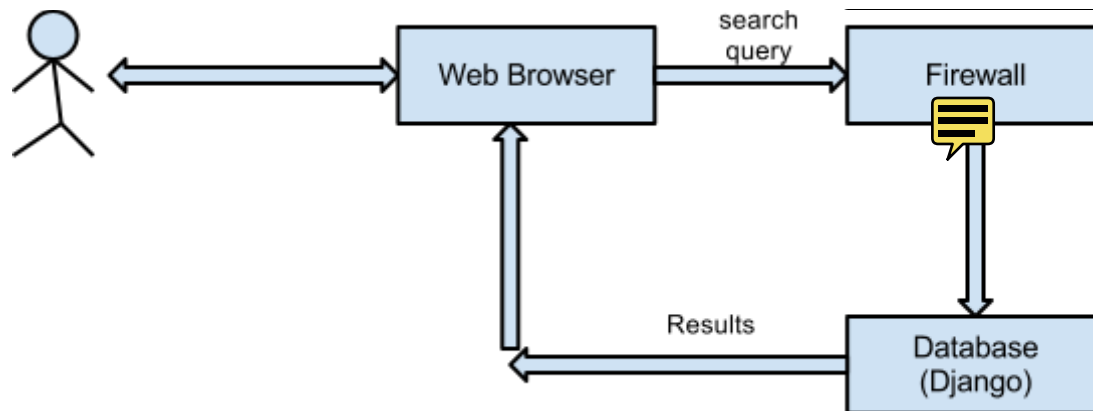


This diagram depicts the process it takes from a customer making a query to receiving a reply or result via SMS.

The user send the name of the product as query through sms, the query moves through the gateway to the very-fi database and a search is done.

The search result is sent through the same channel to the user as depicted in the diagram below.

#### **WEB**



This diagram depicts the process it takes from a customer making a query to receiving a result via a Web interface.