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# Case description

A friend of mine is an entrepreneur working in Vietnamese food and farming who needs an online market website to sell his products. This project was done as a demo platform helping him and other food and farming entrepreneurs with similar needs.

## Actors of the solution

There are three parties in the application: Buyer, Seller and Platform owner. The sellers can post their items to the platform. The buyers can search in the platform for needed products from nearby and trustworthy sellers. To use the platform, the sellers need to pay a monthly / annually fee to Platform owner.

## User stories

As a buyer:

“I love fresh and organic fruits and vegetables. I want a website that I can search for organic agricultural products with high quality and cheaper price directly from the farm. It needs to have friendly interface to use easily.”

As a seller:

“I am a farmer and I am very proud of this season’s harvest. I need to sell them directly to end consumers without my products go through distributors. I can make a lot more money if I have website to post my products, introduce them to more end customers around my farm, further from everywhere. They can reach me for cheaper and more delicious foods.”

## Data input and output

* The sellers can submit a post that contains the product’s name, description, price, images and location to pick-up (or shipping price and area).
* The buyers can search for their needed products by querying product’s name, price range and area (to-be-improved: the app retrieves the user’s GPS coordinate and displayed nearby results).

# Functional requirements

Priority levels:

1 – Must have

2 – Should have

3 – Nice to have

## Table 1. Functional requirements

|  |  |  |
| --- | --- | --- |
| Reference | Description | Priority |
| F1 | The seller can submit, edit and delete the post about their products. | 1 |
| F2 | The buyer can search for their demands by name, price range or area. | 1 |
| F3 | The buyer can submit their buy request for the products to the seller.  Calculate the total price in buy request. | 1 |
| F4 | Support online payments. | 2 |
| F5 | The buyer can search for nearby product by GPS coordinate. | 3 |

# Project schedule

This demo project was rather simple, so I could write independently it in 3 days. Hence no schedule is included in this documentation. Many thanks to my boyfriend for consulting me in the making of this project.

# Project plan document (including the schedule) using the template

I didn’t need a plan, everything is done on-the-fly.

# Use case diagram drawn with Visual Paradigm

# Test plan

For the seller:

* Test if the seller can submit, edit and delete the post.
* Test if the post contains all information submitted (e.g. with correct description, images…).
* Test if the seller can see and answer the requests from the buyer.

For the buyer:

* Test if the buyer can search by name and price range.
* Test if the buyer can send buy request.