**Needs/ Food/ drinks, others**

**Geo distribution**

**Reasons to become vegan**

**Vegan Person**

**Categories**

**Availability**

**(year/ seasonal)**

**Products**

**(Optional)**

**Orders**

**Bio Markets**

**Geo distribution**

**Organizational type /Individual**

**Bio farms**

Introduction:

Lifestyle changed from time to time, recently the whole world starts back to nature trying to sustain the earth and natural resources. I mean that they try to live based with consideration to reduce harms on the environments and the impact of their activities on nature, as we all know about the problem of the global warm and the ozone layer. In addition to try to reduce health problems and chronic diseases. For all of that they start searching about the reasons causing these problems.

In Palestine we used to have green lifestyle to the time the international free trade agreement signed, but many people keep following the traditional lifestyle and food production in parallel to other product needed on a daily base.

For that many farms are following the Bio” Baladi” in producing their products

We could consider our project as an idea that would help society live in a more sustainable way and classified as “going green” a reality. The impact of implementing our project will enhance the following:

1. Reducing carbon emissions
2. Helping protect endangered species
3. Reducing pollution or helping clean local neighborhoods or cities
4. Ensuring everyone has access to healthy food to eat
5. Preventing deforestation or driving reforestation
6. Improving waste disposal
7. Improving the recycling process or recycling adoption

Project Scope:

Bio Palestine will be responsible in gathering data about all farms, shops, and individuals following Bio “Baladi” in their daily practices and growing, and distributing their products, this mean that the visitor of our website could find a list of farms, shops and individuals, the distribution among Palestine, also the products they produce and sell, in addition to some facts about the products and price of each.

Project team:

Majed Amria

Fadi Abu Aita

Malik Shaka

Hana Albida

Project requirements:

Hardware:

1. Personal laptops/PC’s
2. Virtual servers for (Application server, database, and webserver” Apache”)
3. Internet connection

Software:

Bio Palestine will be developed using the following:

1. MySQL for the database
2. STS” Spring Tool Suite” framework
3. Apache server
4. Amazon Web Services
5. Java Programming language
6. HTML
7. CSS
8. JavaScript

Bio Palestine users:

In our project we will support three types of users as follows:

1. Admin user: this user will be the responsible user for setting up the system and adding categories, locations and markets” optional” to the database. Also creating the roles “assigning authentication” to other types of users.
2. Public user: this type of user’s “visitor” could explore Bio Palestine, and understand what the website is about, view all farms, shops, and individual producer and provider of Bio products in Palestine and their contact information. And they could also view list of products available.
3. Farm /shop/individual user: this user will have the permission to add new farm, edit his farm information, add product it’s farm produce, or shop provide.

Bio Palestine functionalities:

The project will provide the following functions:

1. View function
2. Add new farm, shop, and individual producer or provider of Bio product
3. Edit farm, shop, and individual producer or provider of Bio product
4. Delete farm, shop, and individual producer or provider of Bio product
5. Add new product, this c
6. Edit product
7. Delete product
8. Search on level of farm and shop
9. Search on level of categories
10. Search on level of location

In this section we will describe in details each page of