Problem Identification and Definition

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### *Project Name*

**Jonesborough Farmer’s Market Sales System and Website**

### *Project Sponsors*

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### *Organizational Need*

The organization needs to be able to sell vendor products online and in-store. Also, they require a website that allows them to coordinate with volunteers, vendors, donors, and possibly other farmer’s markets.

### *Functionality*

1. Administrators
   1. Assign roles to users
   2. Manage products
   3. Manage dividends/benefits system
   4. Email users
   5. Update blog
   6. Create barcodes
   7. Schedule volunteers
2. Growers
   1. Add products to inventory
   2. Set prices for his/her products
3. Volunteers
   1. Update system inventory
   2. Create item barcode
   3. Scan an item’s barcode to add the item into inventory
   4. Scan an item’s barcode to sell the item out of inventory
4. Donors
   1. Donate money
5. Customers
   1. View products
   2. Purchase products online for in-store pickup
   3. Purchase products at the store
   4. Add recipes to the website
6. Account Management

### *Expected Value*

## *Tangible:* The organization will be able to connect growers with customers to allow the sale of grower products. The organization will also be able to contact all users about organization events and organization information.

***Intangible:*** The organization will grow and become more efficient in its promotion of the products & services made or grown in and around the Jonesborough community

### *Special Issues or Constraints*

* The application shall have a web interface
* The application shall allow for in-store access to inventory & sales
* The application shall include a custom Point of Sale (POS) system or interface with a Commercial Off the Shelf (COTS) POS system.