

# Vision Document

Written collaboratively

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## SoilMate

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## Table of Contents

<b>1</b>	<b>Introduction.....</b>	<b>3</b>
<b>2</b>	<b>Purpose .....</b>	<b>3</b>
<b>3</b>	<b>Problem Statement.....</b>	<b>3</b>
<b>4</b>	<b>Product Features.....</b>	<b>3</b>
	<b>4.1 Broad Features.....</b>	<b>3</b>
	<b>4.2 All Features.....</b>	<b>3</b>
<b>5</b>	<b>Priority of Features.....</b>	<b>4</b>
<b>6</b>	<b>Constraints.....</b>	<b>4</b>
	<b>6.1 System-Supported Platforms.....</b>	<b>4</b>
	<b>6.2 System will use existing services and data.....</b>	<b>4</b>
	<b>6.3 Browser Compatibility.....</b>	<b>4</b>
<b>7</b>	<b>Risks.....</b>	<b>5</b>
<b>8</b>	<b>System Requirements.....</b>	<b>5</b>
	<b>8.1 Recommended.....</b>	<b>5</b>
	<b>8.2 Minimum.....</b>	<b>5</b>
<b>9</b>	<b>Stakeholder and User Descriptions.....</b>	<b>6</b>
	<b>9.1 Stakeholder Profiles.....</b>	<b>6</b>
	<b>9.2 User Profiles.....</b>	<b>7</b>
<b>10</b>	<b>Project Team Members.....</b>	<b>7</b>

## **1 Introduction**

Finding local produce and knowing when that produce is in season is a difficult task for the average consumer. SoilMate is a website that will improve accessibility to fresh produce for community members from local suppliers. The purpose of this project is to identify what produce is in season in the region, offer recipes based on the selected produce and locate suppliers in the area.

## **2 Purpose**

This document outlines the vision for the website system, the purposes of this document are to:

- Gather and describe the client's requests
- Propose a solution to the problem
- Identify constraints
- Identify key stakeholders and users
- Identify the team

## **3 Problem Statement**

The problem of finding fresh local produce affects consumers who wish to know what is available, what they can do with it, and where they can purchase it. This causes the impact of customers being unsatisfied with purchasing questionably sourced produce from large chain stores, when they wish to support local businesses. A successful solution would allow customers to find out what produce is available in a given region for a given time, show them what they can create with it, and refer them to a website that points them towards local farmers.

## **4 Product Features**

### **4.1 Broad Features**

- Generate a list of produce by seasonality and location.
- Generate a list of recipes that contain users selection of produce.
- Allow users to change location and season.

### **4.2 All Features**

- Season selection.
- Location selection.
- Geo-ip lookup.
- Database of produce .
- Query generation from selected season and location.
- Generate produce list.
- Link to find farms.
- Find produce based on season.
- Find produce based on region.

- Generate API queries based on selected produce.
- Reduce list given additional constraint options.
- Additional constraint options (eg.gluten free).
- Generate recipe list.
- Display chosen recipe.

## **5 Priority of Features**

1. Database of produce.
2. Season selection.
3. Location selection.
4. Query generation from selected season and location.
5. Generate produce list.
6. Generate API queries based on selected produce.
7. Generate recipe list.
8. Display chosen recipe.
9. Geo-ip lookup.
10. Additional constraint options (eg.gluten free).
11. Reduce list given additional constraint options.
12. Link to find farms.

## **6 Constraints**

### **6.1 System-Supported Platforms**

The system will be built in accordance with current systems and practices supported by the company, including:

MySQL Server database

Drupal

System must be multi-platform and support Windows, Linux, and UNIX standard browsers.

### **6.2 System will use existing services and data**

Whenever it is possible, the system will use existing services and data, including produce information and recipe API's.

### **6.3 Browser Compatibility**

System must be compatible with all modern browsers

## 7 Risks

ID	Impact	Risk Items	Repercussion	Days Lost
01	Critical	4 out 5 team members have no experience with Drupal	Project can not be built if team is not taught Drupal	14
02	Critical	4 out of 5 team members have never used a version control software	Project could be lost or overwritten leading to project failure	2
03	Critical	4 out of 5 team members have never used an API	Project will be half complete	4
04	Critical	We are relying heavily on one person to knowledge transfer	A lot of time will be spent teaching	--
05	Moderate	Slightly different schedules	Slightly less often Scrums, or alternating days	Negligible

## 8 System Requirements

### 8.1 Recommended

- Internet Explorer 8.x and later
- Firefox 5.x and later
- Opera 12 and later
- Safari 5.x and later
- Google Chrome

### 8.2 Minimum:

Browser that supports CSS and JavaScript.

## 9 Stakeholder and User Descriptions

Stakeholder 1 Product owner	The product owner has the last say in deciding what requirements are implemented and in what order.	The project owner will meet regularly with the development team to provide guidance and keep the team on track.
Stakeholder 2 Produce consumer	One of the main users of the site.	The needs of produce consumers will be considered when designing the site.

Name	Description	Stakeholder
Produce consumer	This is the target customer.	Represented by stakeholder 2.

### 9.1 Stakeholder Profiles:

#### Product Owner

Representative	Ian Field
Description	Owns the software of Soilmate
Type	Information Technology background.
Responsibilities	Responsible for guiding the team by prioritizing tasks and deciding when a feature is acceptable.
Success Criteria	A working web site that implements all of the documented features.
Involvement	Provides guidance to the team. Decides the order of feature implementation. Decides what done means.
Deliverables	Documentation?
Comments / Issues	Problems that interfere with success and any other relevant information

## 9.2 User Profiles

### Produce consumer

Representative	Stakeholder 2
Description	Consumer seeking recipes and/or produce seasonal information.
Type	Varied background and degree of sophistication, casual and possibly regular user.
Responsibilities	Will use the system to determine what produce is in season and to find recipes.
Success Criteria	When a given item of produce is in season and available fresh has been discovered and/or a choice of recipes using that produce is/can be found. The user is rewarded with the convenience of finding both on one website.
Involvement	Not directly involved in the project unless polled.
Deliverables	Produces traffic to another web site.
Comments / Issues	Needs a website that is not confusing to use.

## 10 Project Team Members:

Ian Field  
Daniel Mason  
Kerry Kergan  
Jerad Mason  
Travis Andrews