

SoilMate Project Plan

Collaboratively Written

Version 1.3

February 20th, 2014

SoilMate

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This document taken from CoSc 305

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Revision Date	Previous Revision Date	Summary of Changes	Version
January 18 th 2014	NA	Document initially created for CoSc305	1.0
January 24 th , 2014	January 18 th , 2014	Reformatting and adding requested fixes by James	1.1
February 12 th , 2014	January 24 th , 2014	Document restructured for CoSc 224	1.2
February 20 th , 2014	February 12 th , 2014	Document updated regarding Youry's Suggestions	1.3

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.

The main focus in our first sprint will be to orient ourselves with the software and protocols which will be new to the majority of the team. The software that will be utilized includes, Drupal, Acquia Dev Desktop stack and JIRA. The team will be using JIRA for project planning, tracking, reporting as well as defect tracking. The Agile/Scrum approach will be adopted as the project management framework. An additional priority in the first sprint will be selecting an API that will supply recipes based on the selected produce.

Once these priorities have been achieved the building phase will begin which will include creating the website and designing the interface and tools required to display the data. During the entirety of the research and development process, the database will be generated and populated as more information becomes available.

Team members:

Ian: Product Owner

Travis: Scrum Master

Dan: Scrum Member

Jerad: Scrum Member






















Kerry: Scrum Member

Stakeholder: Matt Gomez - CEO and creator of SoilMate

Hardware / software requirements:

The team will be using Drupal paired with Acquia Dev Desktop for local development. We will be running an apache server with a MySQL database. Our ticket management software will be JIRA and we have already set up or tasks/backlog as well as an area to track bugs.

Project Backlog

Filter Results: Backlog					
T	Key ↑	P	Summary	Fix Version/s	Story Points
	SOIL-1	↑	As a developer I need to setup a local Drupal web server so I can test my work locally.	02/16	2
	SOIL-2	↑	As developers, we need to set up a version control system so we can manage contributions from team members.	02/16	2
	SOIL-3	↑	As a developer I need to learn the new version control system so I can contribute to the team	02/16	5
	SOIL-4	↑	As developers, we need to set up a staging server to host our site so we can test and view our work.	02/16	3
	SOIL-5	↑	As a developer I need to setup PHPMyAdmin so I can build a database for the website to access.	02/16	1
	SOIL-6	↑	As a developer I need to learn Drupal so I can be fluid and productive for the team.	02/16	8
	SOIL-7	↑	As a developer I need to research the best Recipe API so we can pull recipes.	03/02	2
	SOIL-8	↑	As a developer I need to be productive in the use of our recipe API	03/02	3
	SOIL-9	↑	As a developer I need to setup automated builds to save time and to test code before it is deployed.	03/02	5
	SOIL-10	↑	As a developer, I need to populate a database of local produce for the search function to interact with.	03/02	3
	SOIL-11	↑	As a user, I would like the website to return fresh, local in season produce so I know what I can make.	03/02	5
	SOIL-12	↑	As a user I'd like the website to know what season(month) is current so that I don't need to choose the season every time I visit the site .	03/16	2
	SOIL-13	↑	As a user I'd like to be able to select a season (month) so that I can know ahead of time or research what will be available.	03/02	2
	SOIL-14	↑	As a user I'd like to select a region so I can see which produce will be available if I travel to another region or in my own region.	03/02	2
	SOIL-15	↑	As a user I'd like to be able to choose produce returned by my region/season selections so I can use those selections to find recipes	03/16	2
	SOIL-16	↑	As a user I'd like to be able to generate recipes based on my selected produce so I get ideas for cooking	03/30	3
	SOIL-17	↑	As a user I'd like to be able to search through the returned recipes so I can pick ones I like	03/30	3
	SOIL-18	↑	As a user I'd like to be able to sort by dietary preferences(vegan, vegetarian, gluten-free, lactose intolerant) so I only get recipes I can actually eat	04/13	5
	SOIL-19	↑	As a user I would like to pick different styles of cuisine (chinese, italian) to further filter the returned recipes	04/13	8
	SOIL-20	↑	As a user I'd like the webpage to determine my location so I don't have to enter it every time I visit the site.	04/21	5
	SOIL-21	↑	As a user I'd like to bring up in-season ingredients based on type of cuisine	04/21	8
1-21 of 21					

Defect tracking plan:

Through the use of Jira, our team will mark each defect and bug as tasks to be resolved. They will be prioritized on level of hindrance and time required. Defects will be discussed in our weekly meeting time.

Meeting schedule (Communication Plan):

The team will be meeting once a week for a sit down meeting to discuss the current sprint as well as do the next weeks sprint planning. We are in constant online communication as well as speaking face to face daily. After each sprint (before the beginning of the next sprint) our team will discuss the prior sprint making changes to improve what caused shortfalls and note what we found to be successful.

Sprint Rhythm:

Two week sprints, with constant online communication regarding what each member is currently working on and any issues they are encountering. Verbal communication daily. Weekly sit down meeting.

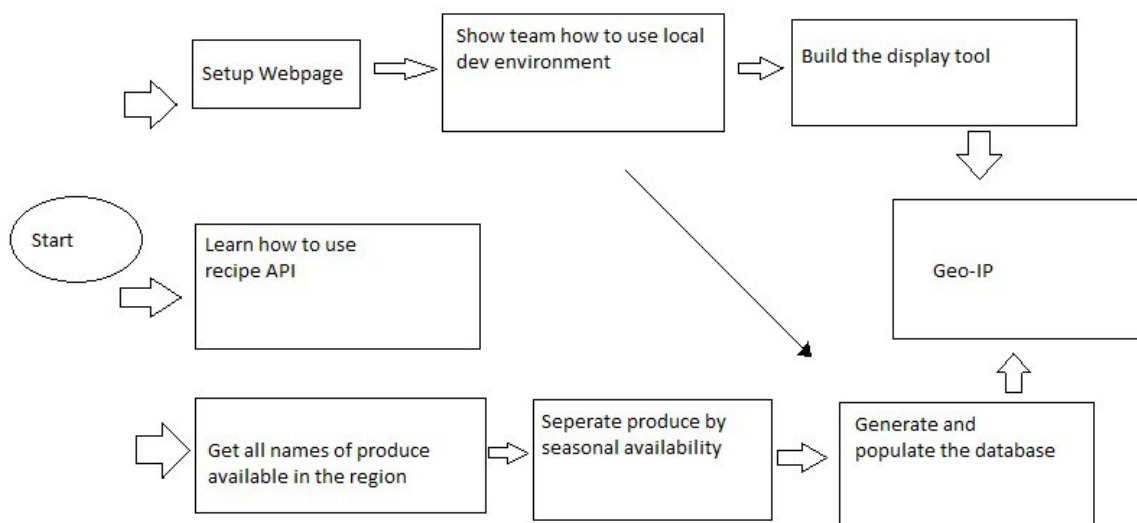
Risks:

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
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As previously mentioned the learning curve of the new technology impacting the workflow is a primary risk. Research and dedication, as well as Ian's past experience should alleviate this. Another risk we may face is the generation of the database slowing the progress, as well as the recipe functionality impacting the rate of deliverables.

Build plan:



Milestones

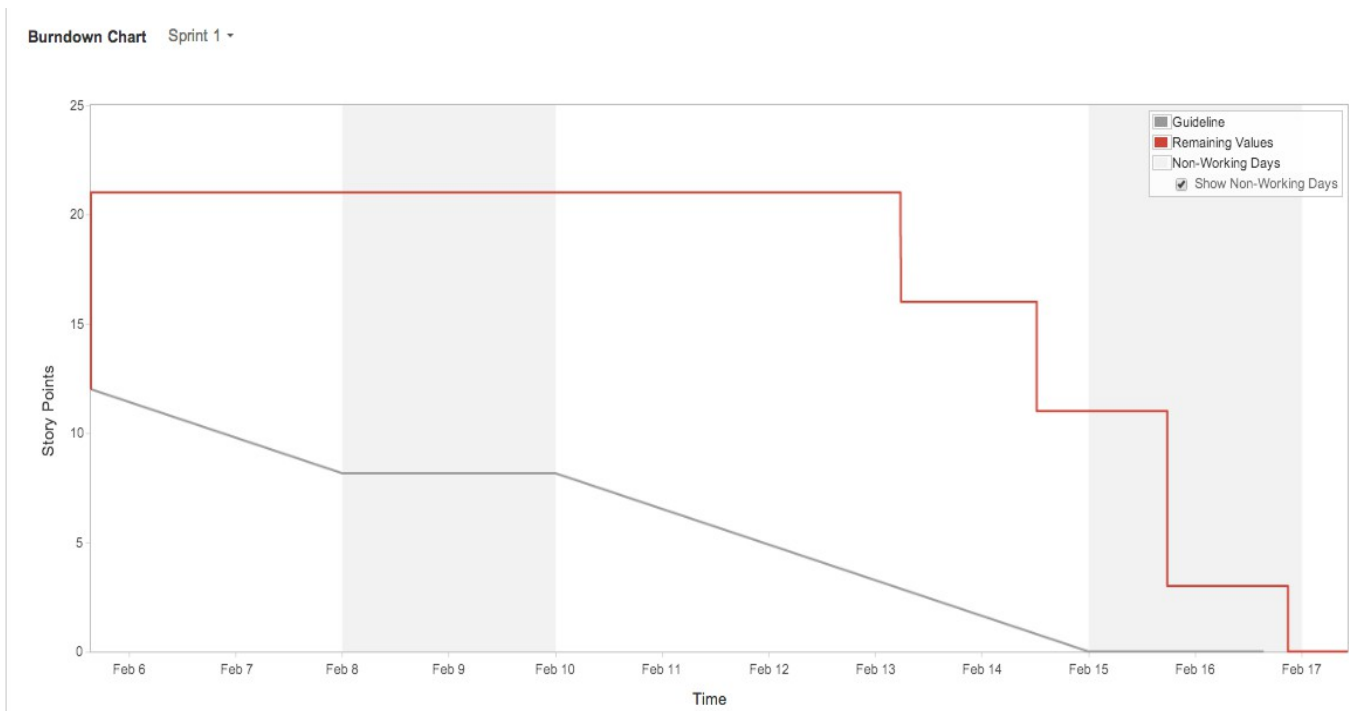
Milestone 1	Get website setup on local machines Research and document best API for recipes Start learning Drupal
Milestone 2	Make successful calls to Recipe API Start entering Produce into database
Milestone 3	Pull produce successfully from database onto a page
Milestone 4	Take returned produce and send it in the API call Only display ingredients that are in season Successfully retrieve recipes with selected ingredients
Milestone 5	Start designing the user interface for returned produce and recipes
Milestone 6	Have the basic styling and layout done to the website
Milestone 7	Have the design complete and make sure acceptance criteria is met

We will be using GitHub version control software we intend on daily integration and testing to insure the highest quality of product. We are looking into using automated build scripts to automatically grab new commits each night.

Requirements gathering: (Product Backlog planning)

SoilMate requirements will be gathered through constant (weekly) communication with our sponsor, our team will be merging and testing individual components on a daily basis to avoid/detect errors as early as possible. Demos will be given to the sponsor after every sprint. Upon the completion of our project there will be a pre-release presentation to the sponsor, after which the market release date will be given (from the sponsor), to which our team will assist in. After which, we will provide short-term support, at the end of which the sponsor will be offered a long-term support option.

Burndown Chart

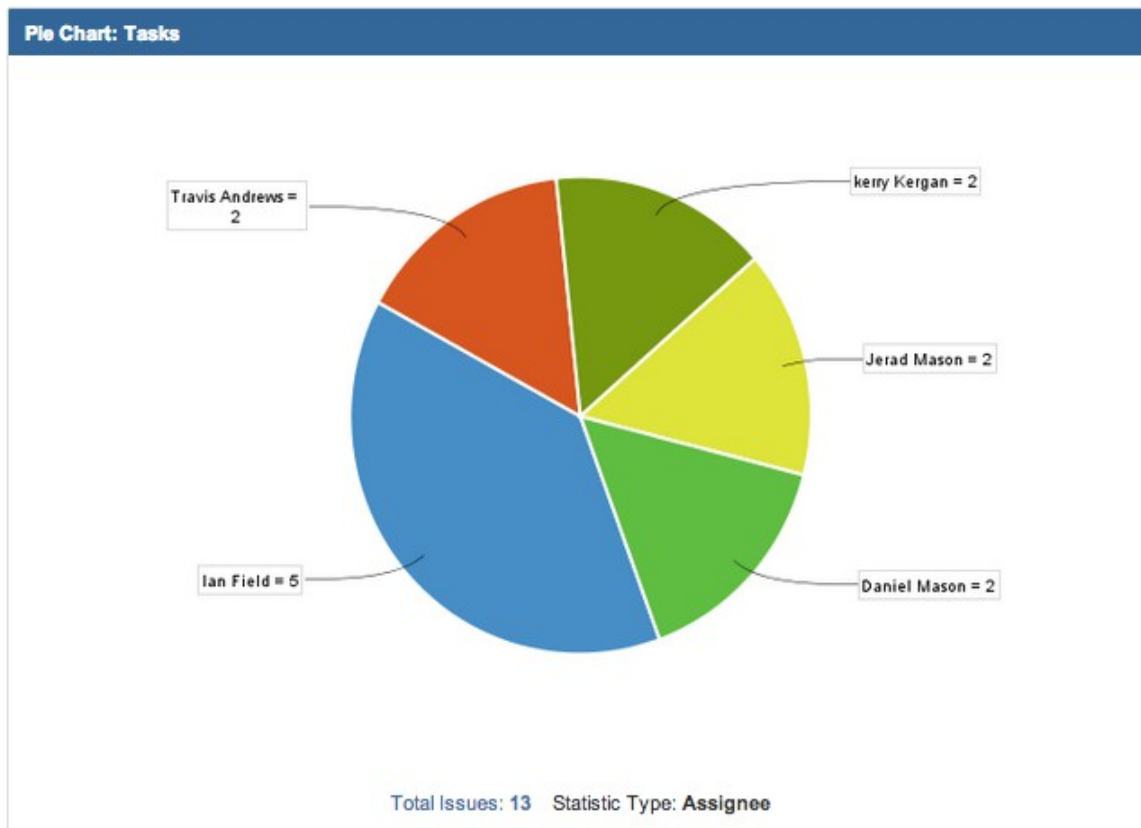


Sprint Backlog

Feb 10

Completed Issues		View in Issue Navigator			
Key	Summary	Issue Type	Priority	Status	Story Points (12)
SOIL-1	As a developer I need to setup a local Drupal web server so I can test my work locally.	Story	Critical	Closed	2
SOIL-2	As developers, we need to set up a version control system so we can manage contributions from team members.	Story	Critical	Closed	2
SOIL-3	As a developer I need to learn the new version control system so I can contribute to the team	Story	Critical	Closed	5
SOIL-4	As developers, we need to set up a staging server to host our site so we can test and view our work.	Story	Critical	Closed	3
SOIL-5	As a developer I need to setup PHPMyAdmin so I can build a database for the website to access.	Story	Critical	Closed	-
SOIL-6	As a developer I need to learn Drupal so I can be fluid and productive for the team.	Story	Critical	Closed	-

Workload Distribution (Sprint 1)



Sprint Retrospective Results

What went well?

All of our goals were completed, team functioned well together.

Local development environments were set up smoothly.

Staging server was setup and basically configured.

Everybody attended the scheduled meetings.

The amount of work planned for the sprint worked out well.

What didn't go well?

Too many midterms during first week, time constraints prevented work.

Getting our version control software to interact with SourceForge was initially difficult

What will we do differently next sprint?

Function for the entirety of the sprint

Log work daily

Rather than have everyone have a hand in everything, split the work up more efficiently