

Naiem Gafar


CSCI 370: Software Engineering

Dr. John Svadlenka

13 December 2020

Output of the Executable Software

SPROUT EXCHANGE



Patrons can contribute to a garden in exchange for a share of the produce.

Already have an account? [Login](#)

Register

Username*

Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

First name

Last name

Email*

Password*

Confirm password*

Address*

Telephone*


☒ I would like to create a garden

[Register](#)

Fig. 1 - All users shall register for an account that will grant them control over specific information depending on their role.

[Sprout Exchange](#) [Login](#) [Register](#)

SPROUT EXCHANGE



Patrons can contribute to a garden in exchange for a share of the produce.

Don't have an account? [Register](#)

[Log in](#)

Fig. 2 - All users shall log into their accounts using their provided username and password.

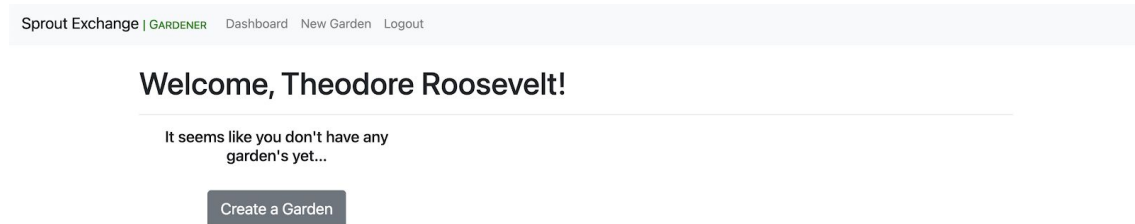


Fig 3a - All gardeners shall be presented with a dashboard upon logging in.

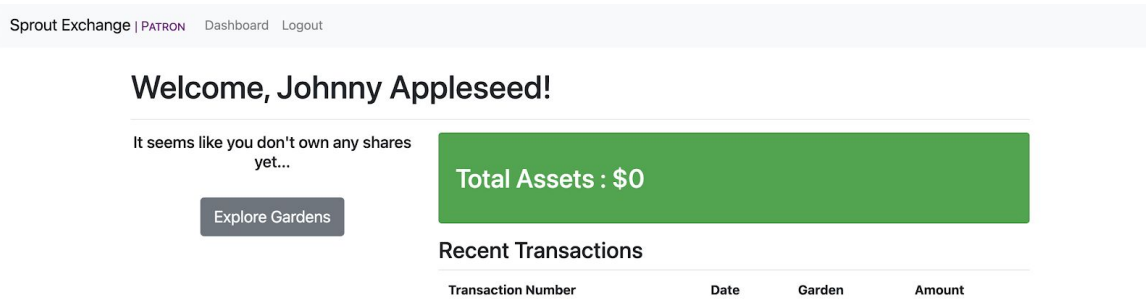


Fig 3b - All patrons shall be presented with a dashboard upon logging in.

Sprout Exchange | GARDENER Dashboard New Garden Logout

Give your garden a name*

Italian Herb Garden

Tell us a little more about your garden*

This is an Italian Herb Garden situated in the heart of Queens, New York City. As the child of Italian Immigrants, I grew up experiencing the unique blends of Italian herbs. In my garden, I hope to recreate those blends and share them with the world. Italian seasoning is a blend of ground herbs used to flavor many Italian cuisine dishes. Herbs commonly included are basil, oregano, rosemary, thyme, garlic powder, sage, or coriander. The actual blend will vary greatly.

The money will be used to purchase 40 buckets, soil, plant-food and rain barrels. At the moment, I only have 1 rain barrel. With the added funds, I would be able to collect rain water from the roof of both the house and the shed.

All patrons will receive a handwritten note from me, as well as a bottle of my original herb mix, along with their promised share of the produce.

Deadline for sponsors*

03/01/2021

Create Garden

Fig 4 - All gardeners shall be able to create a garden.

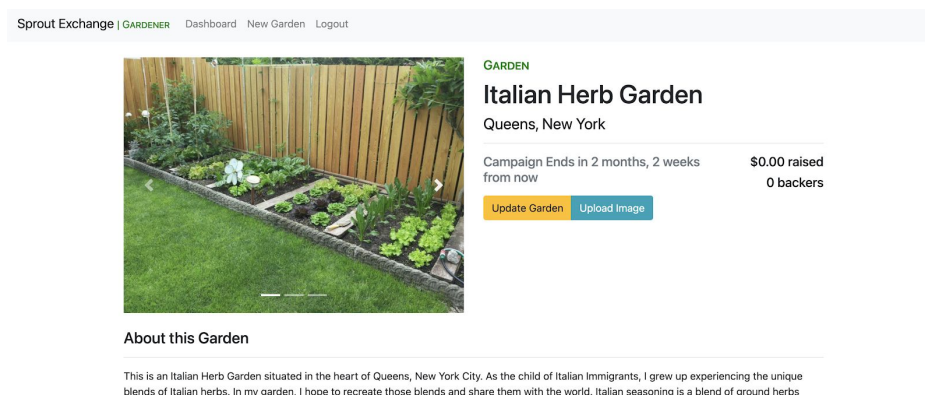


Fig. 5 - Gardeners and patrons shall be able to view a garden after its creation.

Sprout Exchange | GARDENER Dashboard New Garden Logout

Name*

Bundle of Basil

Description*

Basil, also called great basil, is a culinary herb of the family Lamiaceae. Basil is native to tropical regions from central Africa to Southeast Asia. It is a tender plant, and is used in cuisines worldwide. This bundle will come with 20 sticks of basil, enough to prepare 5 meals.

Price per share*

20

Total shares*

15

Estimated harvest*

08/01/2021

Create Tier

Fig. 6 - Gardeners shall create different levels of shares or “tiers” in their garden that all patrons can view and purchase.

Sprout Exchange | GARDENER Dashboard New Garden Logout

Title*

First Update!

Text*

Hello Patrons! This is Theodore! I'm just writing to inform you that the garden is coming along just fine, and it seems as though the rain barrels made all the difference. With the added water, the herbs have been shooting out of the pots like they've never done before. I hope to get the harvest out by some time in the coming month, so everyone please keep an eye out on the mail. Be sure to comment down below about how you plan on using your herbs!

Slug

Create Update

Updates (1) Update Patrons

First Update!

Dec. 13, 2020, 1:06 a.m.

Hello Patrons! This is Theodore! I'm just writing to inform you that the garden is coming along just fine, and it seems as though the rain barrels made all the difference. With the added water, the herbs have been shooting out of the pots like they've never done before. I hope to get the harvest out by some time in the coming month, so everyone please keep an eye out on the mail. Be sure to comment down below about how you plan on using your herbs! [Read More](#)

Fig 7a, 7b - Gardeners shall provide updates to their patrons in a blog format, with text and images.

Sprout Exchange | PATRON Dashboard Logout

New Listings

Bundle of Corn - Taste of New England

User JamesM offering for \$50.00

2 shares

View Garden Buy It Now

Direct Purchase From Garden

Bundle of Corn - Taste of New England

\$15/share

5 remaining ...

View Garden Buy It Now

Basket of Eggplant - Taste of New England

\$30/share

6 remaining ...

View Garden Buy It Now

Fig. 8 - Patrons shall browse all available gardens.

Buy Shares

Create New Tier

Tier	Price/Share	Remaining	Est. Delivery
Bundle of Basil	\$20	15	August 2021

Basil, also called great basil, is a culinary herb of the family Lamiaceae. Basil is native to tropical regions from central Africa to Southeast Asia. It is a tender plant, and is used in cuisines worldwide. This bundle will come with 20 sticks of basil, enough to prepare 5 meals.

Sprout Exchange | PATRON Dashboard Logout

How many shares would you like to purchase?*

4

Place Order

Sprout Exchange | PATRON Dashboard Logout

Welcome, Johnny Appleseed!

Italian Herb Garden

Bundle of Basil

4 shares

0 listed

August 2021 harvest

View Garden

List Shares

Total Assets : \$80.00

Recent Transactions

Transaction Number	Date	Garden	Amount
d73ba1e6-ddbe-487a-a4fa-7af4571449ca	Dec. 13, 2020, 1:09 a.m.	Italian Herb Garden	\$80.00

Fig. 9a, 9b, 9c - Patrons shall be allowed to monetarily sponsor a garden by purchasing 1 or more shares in that garden.

Sprout Exchange | PATRON Dashboard Logout

First Update!

Hello Patrons! This is Theodore! I'm just writing to inform you that the garden is coming along just fine, and it seems as though the rain barrels made all the difference. With the added water, the herbs have been shooting out of the pots like they've never done before. I hope to get the harvest out by some time in the coming month, so everyone please keep an eye out on the mail. Be sure to comment down below about how you plan on using your herbs!

Comment:*

Wow thanks for the update, Ted! I look forward to making spaghetti and meatballs, just like my nana used to make back in Italy. I will definitely keep everyone updated!

Post Comment

Comments

Sprout Exchange | PATRON Dashboard Logout

First Update!

Hello Patrons! This is Theodore! I'm just writing to inform you that the garden is coming along just fine, and it seems as though the rain barrels made all the difference. With the added water, the herbs have been shooting out of the pots like they've never done before. I hope to get the harvest out by some time in the coming month, so everyone please keep an eye out on the mail. Be sure to comment down below about how you plan on using your herbs!

Comment:*

Post Comment

Comments

JohnA | Dec. 13, 2020, 1:11 a.m.
Wow thanks for the update, Ted! I look forward to making spaghetti and meatballs, just like my nana used to make back in Italy. I will definitely keep everyone updated!

Fig 10a, 10b - Patrons should be able to comment on updates.

Sprout Exchange | PATRON Dashboard Logout

Ask price
100

Total shares*
2

List Shares

Sprout Exchange | PATRON Dashboard Logout

New Listings

Bundle of Corn - Taste of New England
User JamesM offering for \$50.00
2 shares
View Garden Buy It Now

Bundle of Basil - Italian Herb Garden
User JohnA offering for \$100.00
2 shares
View Garden Buy It Now

Direct Purchase From Garden

Bundle of Corn - Taste of New England
\$15/share
5 remaining ...
View Garden Buy It Now

Fig 11a, 11b - The system shall allow patrons who own any amount of shares in a garden to list their shares for sale on a secondary marketplace.