

# Microgreens101

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# Description

My Covid hobby turned into a small farmer's market business when my microgreen farm grew to an overabundance. To solve the problem of how to distribute my product, I developed a web application that educates users about microgreens, their nutritional value, how they are used in cuisine and everyday dishes, and where to get them.



# Features

- Users can register, login with authentication
- Create, update, read and delete base items
- Admin can easy update pages and info via WYSIWYG



# Planning - User Stories

User can create a profile by registration and login

User can learn about Microgreens by clicking the topics in the banner

Admin has access to product database for easy edit and update of product, categories, and banner topics

User can review products, create a list of favorites, and logout



# Planning - Database

User/Admin tables: user/admin ids, name, password;

Product table: id, name, category\_id, description, slug, price;



Category table: contains category\_id, slug, description;

Pages table: pages\_id, title, content, slug, sort\_order;

\*Slug used as placeholder for internal table sort



# Technology Stack

- Java
- SpringBoot
- Spring Data JPA
- Thymeleaf
- Spring Security
- WYSIWYG
- MySQL



## Categories

[All Products](#)

[Vegetables](#)

[Flowers](#)

[Herbs](#)

[Mixed](#)

[Powders](#)

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## Welcome to Emerald Valley Microgreen Farms

Emerald Valley Microfarm is a small family operated microfarm located in Platte City Missouri. Our mission is to make nutritious delicious fresh food available and affordable for as many people as possible.

## What are Microgreens????

Microgreens are seedlings of edible vegetables and herbs, harvested from the cotyledon stage to the few-true-leaf stage of growth. While some innovative chefs began using them in the 1980s, micros took a few decades to catch on in many areas. In more recent years, their popularity has surged among commercial as well as home growers. They pack a nutritional boost and give a tasty punch to everyday meals and snacks!

Their vibrancy and delicateness make for an obvious choice in terms of visual appeal, giving dishes that necessary pop. [Studies](#) have shown that microgreens are loaded with nutrients, such as vitamins, C, E, and K, lutein, and beta-carotene, 40 fold more than the mature leaves of the same plants.

## Flavors and Texture and Color

Microgreens have intense and unique flavors and give any dish a splash of color. They are absolutely delicious!! Filled with concentrated nutrients, they pack intense flavor and add a great textural contrast to plates.

# What I Learned

- SpringBoot functionality
- Creating an admin dashboard
- Admin edit functionality using WYSISYG
- Better understanding of MVC model
- Greater appreciation of GitHub
- Pagination of data on the screen
- Creating a user / admin profile with authentication





# What's Next

- Adding an nutrition API so the user can see what nutrients and vitamins are in each type of product.
- Complete the product structure to indicate price and quantity send the list with a payment method.
- Add a mapping API so I know if the customer lives within the delivery range.

