

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

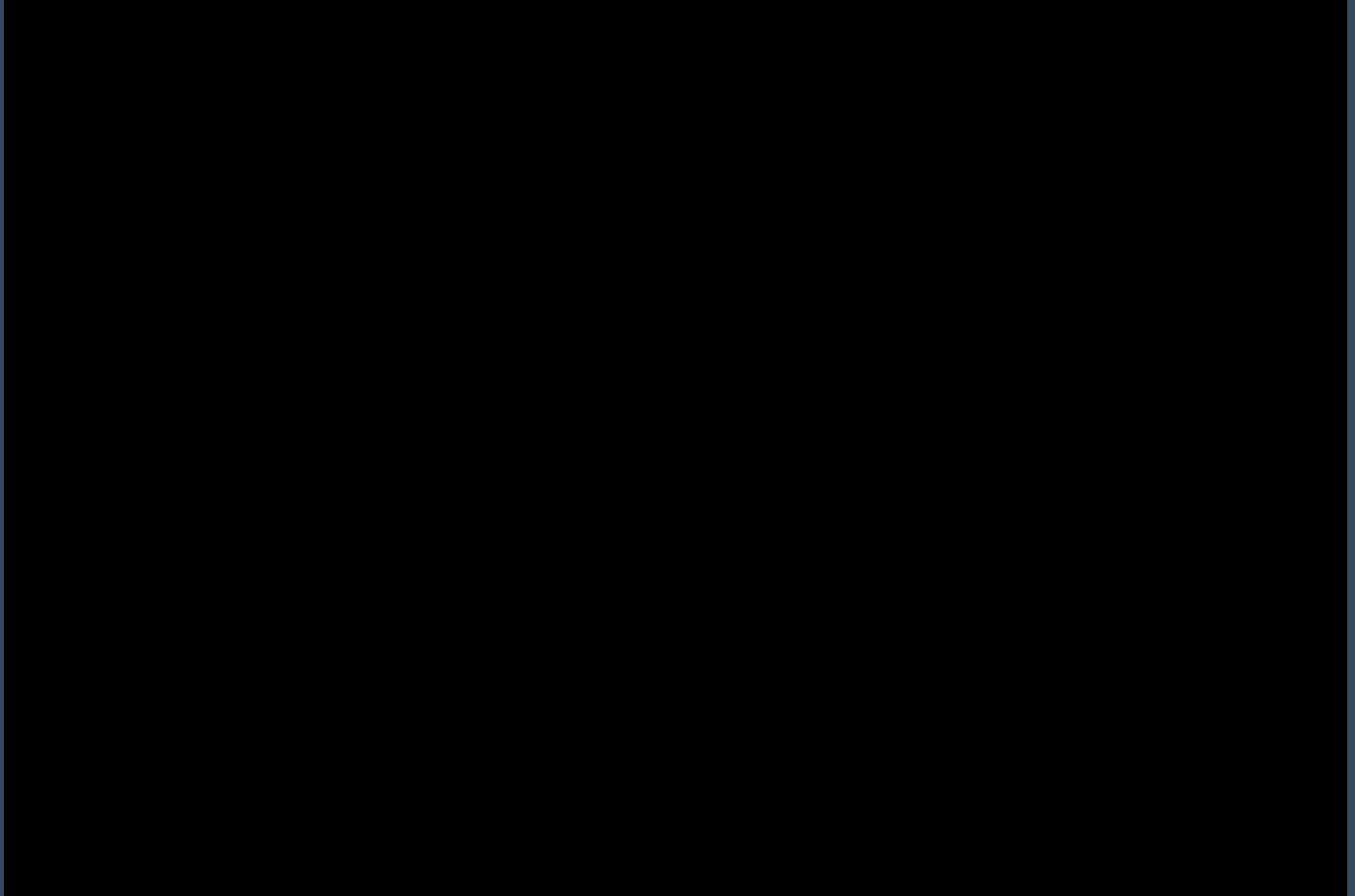


Technology Stack

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



Demo



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.

