FarmToFamily An online grocery store

Minor Project I

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DECLARATION

We hereby declare that this submission is our own work and that, to the best of our

knowledge and beliefs, it contains no material previously published or written by another

person nor material which has been accepted for the award of any other degree or diploma

from a university or other institute of higher learning, except where due acknowledgment has

been made in the text.

Place: Jaypee Institute of Information Technology, Noida

Date: 29/11/2022

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CERTIFICATE

This is to certify that the work titled "FarmToFamily" submitted by Ayush Makhloga, Kartik

Singh and Ankit Sharma of B.Tech of Jaypee Institute of Information Technology, Noida has

been carried out under my supervision. This work has not been submitted partially or wholly

to any other University or Institute for the award of any other degree or diploma.

Dr. Bansidhar Joshi

Assistant Professor

Date: 29/11/2022

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ABSTRACT

Innovative headways have affected the eCommerce world, changing the manner in which customers connect with items and empowering them to purchase all the more productively. With the comfort of getting items conveyed to your entryway, eCommerce has now become a piece of regular day to day existence. This facility has now extended to daily items like fruits and vegetables. Clients can purchase things from their homes, their or working environment according to their comfort. Today web shopping has made it simpler and helpful for the client as it spares their time and exertion. Clients can check an assortment of things, can without much of a stretch drop exchanges and As the present innovation has gained a quick and speedy advancement of applications and website pages, so front end includes a fundamental layman design for clients to utilize the highlights and capacity making everyday work simple. Remembering this, utilizing the essential innovation of Front End Development, an Ecommerce Website for fruits and vegetables was planned as a minor project.

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LIST OF ABBREVIATIONS

i. API: Application Program Interface

ii. IT: Information Technology

iii. HTML: Hyper Text Markup Language

iv. CSS: Cascading Style Sheet

v. JS: JavaScript

vi. PHP: Hypertext Preprocessor

vii. XAMPP: X-operating system, Apache, Mysql, Php, Perl

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CHAPTER - 1 INTRODUCTION

1.1 Introduction

Advancements in technology have a huge impact on the e-commerce world, which has changed the way consumers nowadays interact with products which enables them to buy the products more efficiently. With the ease of delivering products to your door, e-commerce nowadays has become an integral part of a person's everyday life. Today e-commerce organizations expect to regularly update themselves with the latest technologies with the help of effective strategies, competitive marketing, and skilled laborers aside. These advancements in technology have helped people to meet their shopping needs easily, and as a result, it helps in growth and strengthing of the e-commerce sector.

Nowadays e-commerce is faster providing a smooth shopping experience to its customers, using the latest technology buyers can find anything with just the click of a button. Also, customers can keep track of their orders. With all this development, new business opportunities are emerging, which is a boon to the e-commerce sector.

1.2 Problem Statement

In today's world people do not have the time and energy to go to overcrowded markets every second day and they want all their basic needs items at their fingertips. Hence there is a need for such online services which are easy to use. These services can greatly reduce the effort of the users and can save great amount of time.

1.3 Objectives

The basic objective of this project is to create a website for delivering fruits and vegetables at the doorstep.

The basic objective of this project was to get familiar with concepts such as:

- Web Development
- Easy to use UI
- Integrate payment APIs
- User Authentication
- Use of database

1.4 Methodology

The various methodologies involved in this project are HTML, CSS, Bootstrap4, JS, PHP, MySQL. For interaction with database XAMPP Server is used.

1.4.1 Technology and Languages:

As in regular everyday practice, to speak with one another dialect is a significant medium, correspondingly to cooperate with the framework; programming dialects are a significant vehicle for the engineer. As, all things considered, there, individuals speak with various dialects, correspondingly, for driving with gadgets there are various dialects accessible, for example, C, C#, C++, Java, Python, and so on.

The first and significant stage an individual or a group needs to perform before dealing with a particular venture is to choose a lot of advancements that will be utilized for building up the product or an application. For creating, the backend innovation stack incorporates web structures and after that the programming dialects come and servers to send the product application on the overall web.

1.4.1.1 HTML

HTML stands for Hypertext Markup Language. It is the standard markup language that describes the structure of a web page. It consists of a series of elements that tell the browser how to display the content and these elements are represented by tags. The browser doesn't display the tags on the screen but uses the HTML tags to render the content of the web page. HTML is the root of any web-based application which is easy to learn and use, therefore it is not always considered as an important language.

1.4.1.2 CSS

Cascading Style Sheets (CSS) are used for designing and presenting the HTML page, describes how HTML elements are to be displayed on different devices, and directly controls the layout of site on multiple screen sizes. It manipulates the text colors, fonts, background colors, layout, etc. The latest flexbox and grid concept in css has made it easier to layout the document. CSS can be embedded in HTML in three ways, i.e. inline css, internal css and external css.

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1.4.1.3 JS

JavaScript (JS) is a structured language that is lightweight, translated or has recently been integrated into functional tasks in the first grade. Js is popular and well known for writing Web pages; many non-browser sites also use it.

1.4.1.4 Bootstrap

Bootstrap is a collection of free and open-source tools for building responsive websites and web applications. An immense framework for HTML, CSS, and JavaScript for developing responsive websites. It solves many problems we used to have, one of which is a browser compatibility problem. Today, websites are ready for all browsers (IE, Firefox, and Chrome) and in all screen sizes (Desktop, Tablets, Phones).

1.4.1.5 **SQL**

Structured Query Language, abbreviated as SQL, is a domain-specific language used in programming and designed for managing data held in a relational database management system (RDBMS), or for stream processing in a relational data stream management system (RDSMS). It is particularly useful in handling structured data, i.e. data incorporating relations among entities and variables.

1.4.2 IDE, Softwares, OS, Libraries and Plugins

1.4.2.1 Visual Studio Code

VS code is a free & open source code editor made by Microsoft for Windows, Linux and macOxS. Its features include debugging support, syntax highlighting, intelligent code elimination, captions, code retrieval, and Git embedding. In visual studio code users can change the display theme, update keyboard shortcuts, preferences, and can install extensions that adds extra functionality.

1.4.2.2 XAMPP-Server

A common task for front – End developers is to use the backend service to deliver some data in format to the previous application and make sure everything is working as expected. One can set up a full backend server. using XAMPP server Mysql and Apache server. However this takes time and a very simple method can help speed up the development time before the end.

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CHAPTER – 2 LITERATURE SURVEY

A considerable amount of research has been done on the working a performance of agricultural marketing in India, by the academicians & researchers. The literature obtained by the investigator, in the form of reports and research studies, is briefly reviewed in this part. Hoff et al. (1993) in their research paper documented that in response to the deinstitutionalization of rural areas that followed state compression, the reconstruction of new agrarian institutions complementary to the market and the state is thus a fundamental element of rural development. This has taken the form of either private or cooperative organizations.

Brithal et al. (2007) in their study suggested that by building efficient and effective supply chain using state of the art techniques it is possible to serve the population with value while simultaneously ensuring remunerative prices to farmers

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CHAPTER – 3 REQUIREMENT ANALYSIS

3.1 Requirements

3.1.1 Software Requirements:

Client Side : Internet Explorer, Google Chrome, Operating system

(Windows)

Developer Side : VS Code (Recommended), Operating system (Windows)

Servers : XAMPP Server, Microsoft Windows (8)

3.1.2 Hardware Requirements:

Processor/RAMs (Client Side) : 2 GB (Min)

Processor/RAM (Developer Side) : 4 GB (Recommended)

Web Server : Any suitable sever

Primary Memory : 2GB or Higher RAM (8)

3.2 Functional Requirements

3.2.1 Admin Panel

- 1. Admin can register using login form
- 2. Admin can add or delete products and categories
- 3. Admin will verify the users
- 4. Admin can view sales and net sales.

3.2.2 User (Buyer)

- 1. Buyer can login through Google.
- 2. Buyer can filter products depending on category.
- 3. Buyer can add products to cart.
- 4. Buyer can pay using online payment option.

3.2.3 User Interface(UI)

- 1. The website is user friendly
- 2. The interface is easy to use

CHAPTER – 4 DETAILED DESIGN

4.1 Implementing Database

The database was implemented using SQL queries on MySQL server.

4.1.1 Database: ecomm

4.1.2 Tables

• users table:

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	email	varchar(200)	latin1_swedish_ci		No	None		
3	password	varchar(60)	latin1_swedish_ci		No	None		
4	type	int(1)			No	None		
5	firstname	varchar(50)	latin1_swedish_ci		No	None		
6	lastname	varchar(50)	latin1_swedish_ci		No	None		
7	address	text	latin1_swedish_ci		No	None		
8	contact_info	varchar(100)	latin1_swedish_ci		No	None		
9	photo	varchar(200)	latin1_swedish_ci		No	None		
10	status	int(1)			No	None		
11	activate_code	varchar(15)	latin1_swedish_ci		No	None		
12	reset_code	varchar(15)	latin1_swedish_ci		No	None		
13	created_on	date			No	None		

• products table :

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	category_id	int(11)			No	None		
3	name	text	latin1_swedish_ci		No	None		
4	description	text	latin1_swedish_ci		No	None		
5	slug	varchar(200)	latin1_swedish_ci		No	None		
6	price	double			No	None		
7	photo	varchar(200)	latin1_swedish_ci		No	None		
8	date_view	date			No	None		
9	counter	int(11)			No	None		

• category table:

7	# Nan	ne	Туре	Collation	Attributes	Null	Default	Comments	Extra
4	l id 🛭		int(11)			No	None		AUTO_INCREMENT
2	nam	ne	varchar(100)	latin1_swedish_ci		No	None		
3	cat_	_slug	varchar(150)	latin1_swedish_ci		No	None		

• sales table

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	user_id	int(11)			No	None		
3	pay_id	varchar(50)	latin1_swedish_ci		No	None		
4	sales_date	date			No	None		

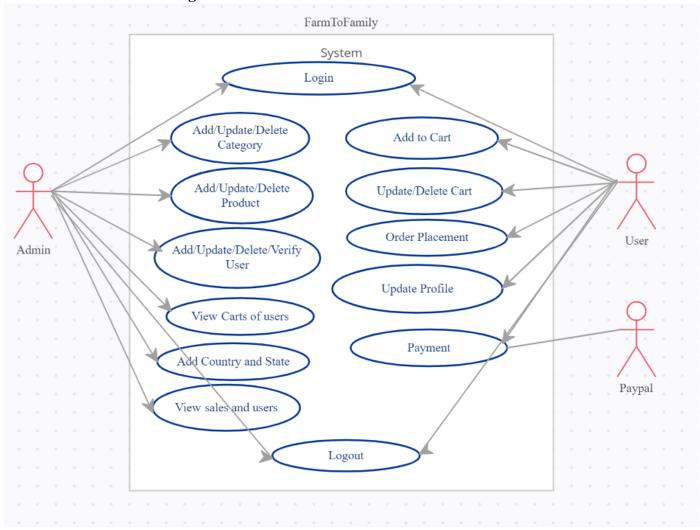
• details table

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	sales_id	int(11)			No	None		
3	product_id	int(11)			No	None		
4	quantity	int(11)			No	None		

• cart table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 🔑	int(11)			No	None		AUTO_INCREMENT
2	user_id	int(11)			No	None		
3	product_id	int(11)			No	None		
4	quantity	int(11)			No	None		

4.2 Use Case Diagram



4.2 Use Case Diagram

CHAPTER - 5 RESULTS

5.1 Screenshots

5.1.1 Login Page

This page comprises of login with email, and password field which is set by the user while registering him as a new user and an option to create a new account.

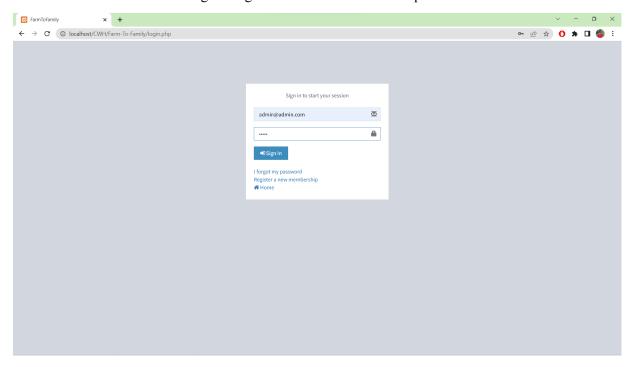


Fig 5.1: Login Profile

5.1.2 Register Page

This page allows the user to register as a new user by filling the following details. After Successful registration user will be redirected to Login Page.

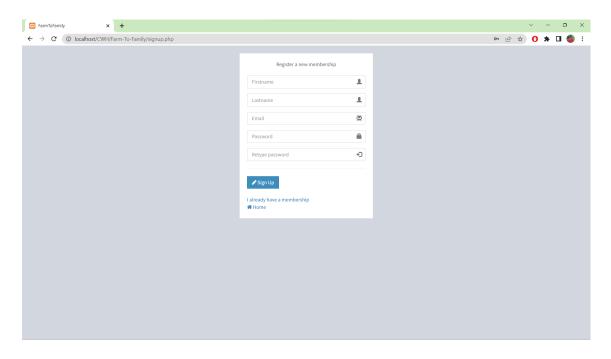


Fig 5.2: Register Profile

5.1.3 Dashboard

This page shows different categories of products., the header will show the name of user login, cart button, and logout button. User can add products to cart.



Fig 5.3: Product Dashboard

5.1.4 Search Product

Here Users can search product and the product will be displayed.

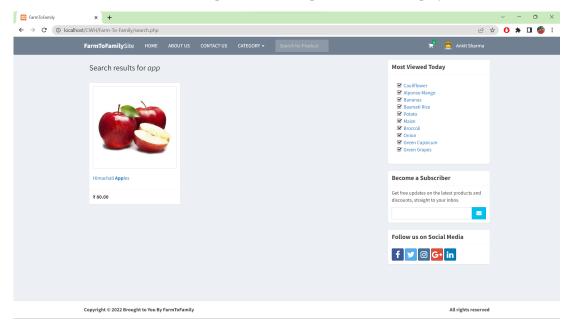


Fig 5.4: Search

5.1.5 Product Details

This page shows the details of the product selected by user. Here user can add product to cart.

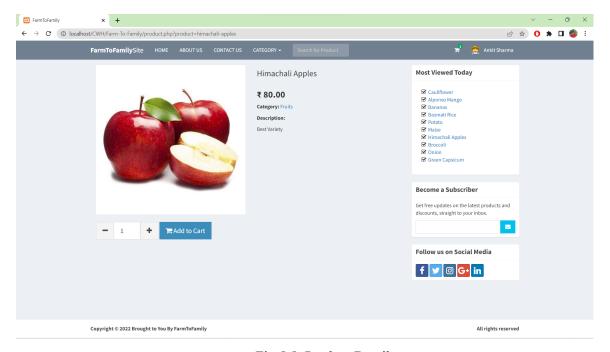


Fig 5.5: Product Details

5.1.6 User Cart Details

This page shows all the items in the cart added by a user.

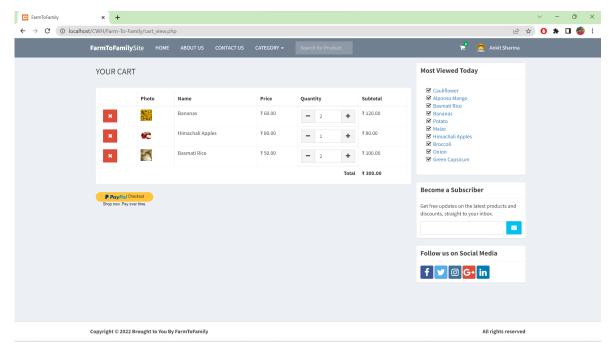


Fig 5.6 User Cart

5.1.7 Payment

On clicking the payment button, the PayPal window will open. The user can then enter the details to buy the product.

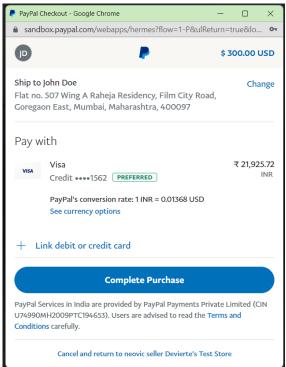


Fig 5.7: Payment Gateway

5.1.8 User Profile

FarmToFamily ← → C ① localhost/CWH/Farm-To-Family/profile.php Most Viewed Today C Cauliflower
Alponso Mango
Basmati Rice
Bananas
Y Potato
Maize
Himachali Apples
G Broccoli
G Onion
G Green Capsicum Ankit Sharma G Edit ankit@ankit.com Email: Contact Info: 1234567890 Address: Noida Member Since: Nov 28, 2022 Transaction History Become a Subscriber Get free updates on the latest products and discounts, straight to your inbox. Nov 29, 2022 PAYID-MOCWXFA46F76827HF3243424 ₹ 340.00 **=** Nov 29, 2022 PAYID-MOC2OWY3G311018YJ084803T ₹300.00 Follow us on Social Media Showing 1 to 2 of 2 entries f 💆 🛛 🚱 in Copyright © 2022 Brought to You By FarmToFamily All rights reserved

The profile button views the information and transaction details of the user.

Fig 5.8: User Profile

5.1.9 Edit Profile

This page allows the user to add a new address or to edit details.

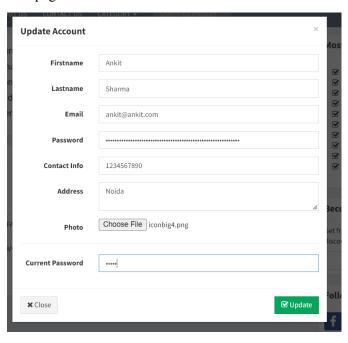


Fig 5.9: Edit Profile

5.1.10 View Transaction History

The user can view the details of each transaction.



Fig 5.10: View Transaction History

5.1.11 Admin Dashboard

The admin logs in from the login page and admin dashboard is displayed.

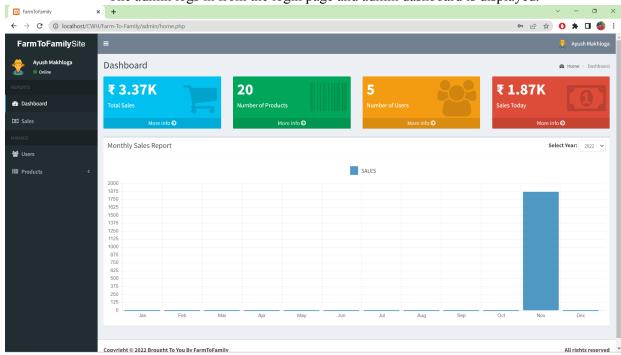


Fig 5.11: Admin Dashboard

5.1.12 Sales

o × FarmToFamily FarmToFamilySite Sales History ↓↑ Full Details ☐ Buyer Name ⊥↑ Transaction# Date ↓↑ Amount **Ⅲ** Sales Nov 29, 2022 Ankit Sharma PAYID-MOCWXFA46F76827HF3243424 ₹ 340.00 Nov 29, 2022 Kartik Singh PAYID-MOCWXVY0MV3990802798302L ₹ 740.00 Users Varun Dixit PAYID-MOCWZKA1PT90446X8983503G Nov 29, 2022 ₹ 200.00 Nov 29, 2022 Sarvagya Agrawal PAYID-MOCW2YA65C5443046192820V ₹ 140.00 PAYID-MOCX5WI3XS84751E5382340G Nov 29, 2022 Kartik Singh ₹ 150.00 PAYID-MOC2OWY3G311018YJ084803T Nov 29, 2022 Ankit Sharma ₹ 300.00 Showing 1 to 6 of 6 entries Copyright © 2022 Brought To You By FarmToFamily

The admin can view all the transactions made by the users.

Fig 5.12: Sales

5.1.13 Users

The admin can view all the users and verify/add/delete/view cart of users.

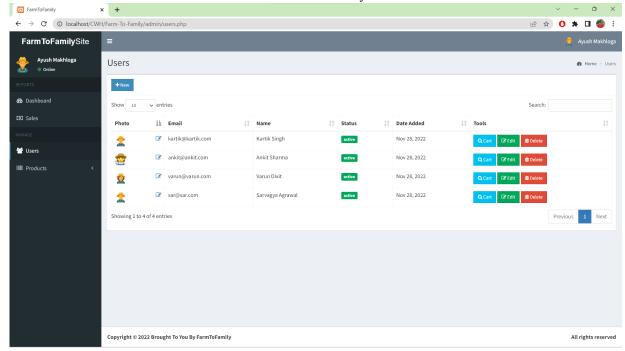


Fig 5.13 : Users

5.1.14 Product list

The admin can view all the products and add/edit/delete the product

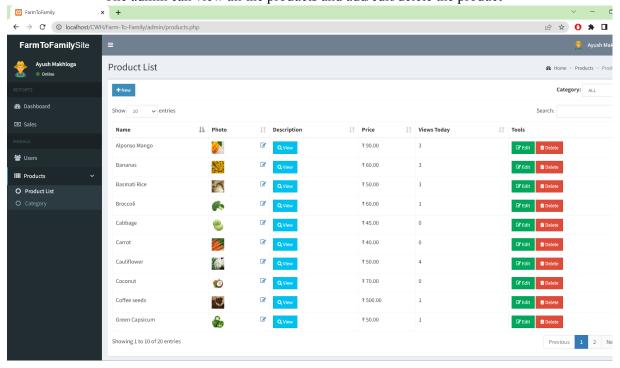


Fig 5.14: Product list

5.1.15 Categories

The admin can add or edit categories.

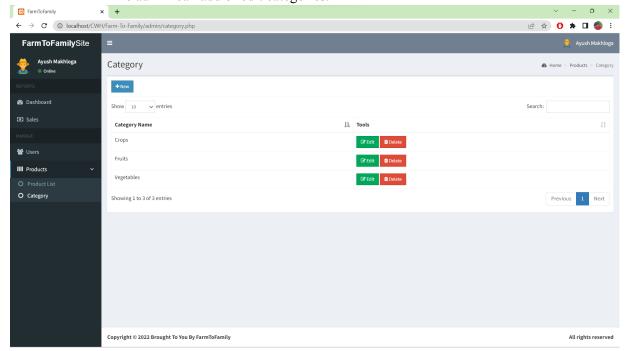


Fig 5.16: Categories

CHAPTER 6 – CONCLUSIONS

6.1 Conclusion

The fundamental motivation behind the proposed task is to build up a web application that can give a smooth encounter to the client while shopping through this website. With the assistance of this venture I had the option to get profound information on Angular structure, how it works, different modules, segments, administrations included while building the application. The hands-on understanding on innovation and confronting genuine issues made my learning much all the more fascinating.

We summarize our whole executing period as a great learning experience, (3)

6.2 Future Scope

- Currently, the user remains logged in after closing the page which can be a security threat.
- The layout can be improved which will help in building device-friendly sites compatible with devices of different screen sizes such as phones, laptops, etc.
- There must be a feature that keeps track of no of users who are logged in as guests and at a particular time how many users are accessing this site.
- Application's performance can be increased by using more route guards which will lead to better and smooth user experience.
- Different deals can be added on the website that will attract more no of customers, increasing the scalability of our site.(1)

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1/

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- 4. https://www.whizlabs.com/blog/project-life-cycles-in-project-management/
- 5. https://code.visualstudio.com/
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