

1. Introduction/Overview: সম্ভার -The Farmers Market project aims to revolutionize the agricultural supply chain by providing a direct and efficient platform for farmers and customers. The primary purpose of this system is to connect farmers directly with consumers and wholesalers, ensuring better profits for farmers while offering fresh produce to buyers. This project leverages database management systems (DBMS) to ensure secure, efficient, and seamless transactions while integrating additional features like real-time communication and knowledge-sharing resources.

Agriculture plays a critical role in the global economy, yet many farmers struggle to receive fair compensation due to the involvement of multiple intermediaries in the supply chain. By introducing a digital Market, this project seeks to empower farmers with direct access to buyers, enabling them to set fair prices and increase their earnings. The system also addresses customer needs by offering a platform where they can purchase fresh agricultural produce directly from trusted sources.

In addition to improving the supply chain, the Farmers Market includes features designed to enhance the overall experience for users. These include role-based access for diverse user types (farmers, customers, workers, and administrators), secure login systems to protect user data, and tools for real-time communication. By incorporating an article and blog section, the platform supports knowledge-sharing and helps farmers adopt modern techniques to boost productivity and profitability. Furthermore, the inclusion of transaction records and comprehensive reporting ensures transparency and accountability for all users.

The project's vision extends beyond mere transactions, aiming to create a holistic ecosystem that bridges the gap between traditional agricultural practices and modern technology. With its multi-functional approach, the Farmers Market has the potential to drive sustainable growth in the agricultural sector, making it a pivotal tool for economic and social development.

2. Motivation: Agriculture is a vital sector, yet farmers often face challenges in selling their produce at fair prices due to intermediary involvement. The need for a direct Market was identified to:

- Empower farmers by providing direct access to buyers.
- Enhance profitability for farmers by reducing dependence on middlemen.
- Provide consumers with fresh produce and better transparency in pricing.
- Encourage the adoption of technology in rural areas. This project was chosen for its potential to address these challenges while improving the overall efficiency of the agricultural supply chain.

3. Similar Projects: Several platforms, such as FarmCrowdy and KrishiBazaar, aim to connect farmers with customers. These systems often focus on specific functionalities. . For example, FarmCrowdy primarily operates in specific areas with limited support for bulk transactions, while KrishiBazaar emphasizes trading but lacks integrated resources for farmer education or productivity improvement.

Unlike these platforms, the Farmers Market is designed as a comprehensive solution tailored to diverse user needs, especially considering the agricultural and socio-economic context of Bangladesh. It integrates:

- **Role-based access:** Allowing farmers, customers, workers, and administrators to perform distinct tasks effectively.
- **Real-time communication:** Facilitating direct interaction between farmers and buyers to enhance transparency and trust.
- **Knowledge resources:** Through blogs and articles, farmers gain access to the latest agricultural techniques, market insights, and tips to increase productivity.
- **Worker hiring and tool purchasing:** Farmers can hire labor and buy essential tools, fertilizers, and machinery directly through the platform, addressing key challenges faced in rural farming communities.

In Bangladesh, where agriculture constitutes a major portion of the economy, these features ensure that small-scale farmers and rural communities have better opportunities to connect with markets, reducing dependency on intermediaries and boosting profitability. The inclusion of multi-functionality makes this platform not just a Market but also a holistic ecosystem to support farmers' growth and sustainability.

4. Benchmark Analysis: A comparison of existing platforms revealed the following:

- **FarmCrowdy:** Limited to specific regions with minimal support for bulk transactions.
- **KrishiBazaar:** Focuses on trading but lacks integrated knowledge-sharing resources.
- **Farmers Market:** Offers a multi-functional platform with additional features like real-time chatting, productivity resources, and secure role-based access. This analysis highlights the unique selling points of the Farmers Market, particularly its multi-functionality and user-centric design.

5. Complete Feature List:

5.1 Core Features:

- Farmers can sell their products online.
- Buyers can purchase various agricultural products online.
- Buyers can send purchase requests to check product quantity and price.
- Entry of transaction and charge details must be recorded.
- Payments are received from wholesalers/retailers upon delivery.

- Four types of users:
 - **Customer:** Purchases agricultural products.
 - **Farmer:** Sells their produce.
 - **Worker:** Assists with tasks.
 - **Administrator:** Manages and oversees the system.
- Login ID and password are required to access the system.
- Article and blog section aids farmers in enhancing productivity and profitability.
- Administrator can view and print all types of reports.
- Realtime chatting between customer and farmer.
- Farmers can hire worker
- Farmers can buy fertilizer, fodders, machineries etc.

5.2 Selling Points:

1. **Direct Marketplace for Farmers:**
 - Enables farmers to sell their products directly to customers, bypassing intermediaries.
2. **Quantity Assurance for Buyers:**
 - Buyers can send purchase requests and ensure product quantity before purchasing.
3. **Wholesaler/Retailer Integration:**
 - Facilitates bulk sales to wholesalers/retailers, ensuring streamlined operations and record-keeping for transactions.
4. **Diverse User Roles:**
 - Supports four types of users (Customers, Farmers, Workers, and Administrators) with tailored functionalities for each.
5. **Secure Login System:**
 - Login credentials (ID and password) required for system

access, ensuring data security.

6. Informative Articles and Blogs:

- Helps farmers enhance productivity and profitability through access to useful insights, techniques, and industry updates.

7. Comprehensive Reporting System:

- Administrators can generate, view, and print detailed reports for better management and tracking.

8. Multi-Functionality:

- Covers various aspects like selling farm produce, purchasing agricultural tools, managing charges, and payments.

9. Improved Profit Margins:

- Farmers benefit from better profits by selling directly to customers or wholesalers without middlemen.

10. Customer Convenience:

- Provides a one-stop platform for purchasing farm-fresh products and engaging in secure transactions.

6. Database Design Approach:

6.1 Schema Overview: The database is designed with efficiency, scalability, and data integrity in mind. The core tables include:

- **Users:** Stores login credentials and role-based access.
- **Products:** Details on agricultural products available for sale.
- **Transactions:** Records all purchase and payment activities.
- **Articles:** Houses blogs and knowledge resources for farmers.
- **Chats:** Logs real-time conversations between farmers and customers.

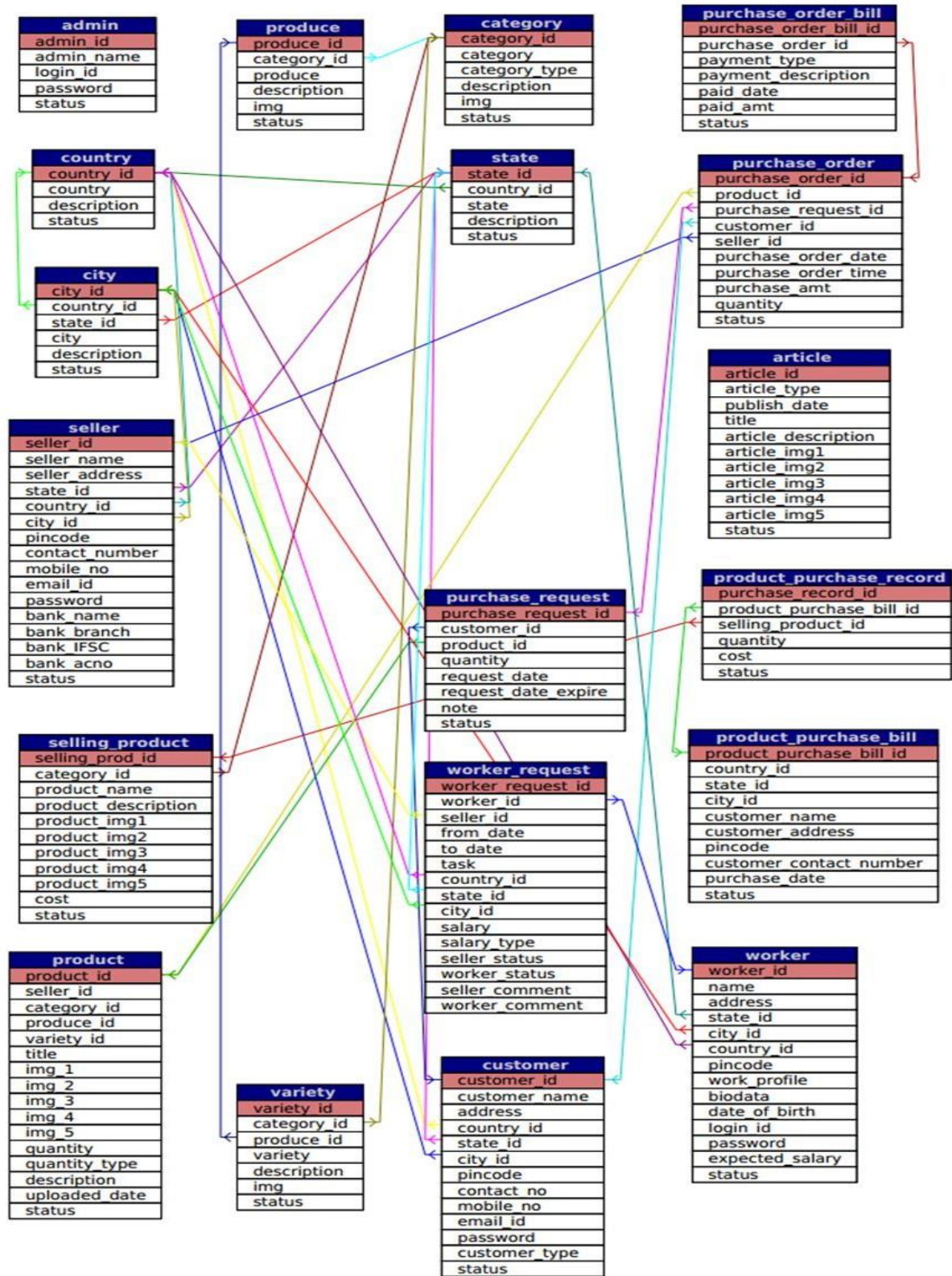
6.2 Relationships:

- One-to-many relationships between farmers and products.
- Many-to-many relationships between customers and products (via orders).
- One-to-one relationships for secure login and user profile.

7. Entity Relationship Diagram (ERD):



8. Schema Diagram:



9. Queries for Feature Implementation:

The database architecture for our e-commerce management system follows a systematic and normalized approach, implementing a robust structure that accommodates multiple user roles, product management, and transaction processing. The design process was executed through the following phases:

Requirements Analysis: The system was designed to handle four primary user roles - administrators, sellers, customers, and workers. Each entity requires specific attributes while maintaining data integrity and security. The schema incorporates comprehensive user profile management with secure authentication mechanisms through dedicated password fields and status tracking.

Hierarchical Structure Implementation: A key design decision was the implementation of a three-tier geographical hierarchy (country → state → city) to facilitate location-based operations and regional management. This structure enables precise location tracking for users, products, and transactions while maintaining referential integrity through properly defined foreign key relationships.

Product Management Framework: The product architecture implements a sophisticated categorization system through multiple interconnected entities:

- The 'category' table establishes broad product classifications
- The 'produce' and 'variety' tables enable granular product categorization
- The 'product' table maintains core product information
- The 'selling_product' table handles active marketplace listings This multi-layered approach ensures efficient product organization while facilitating easy search and filtering operations.

Transaction Processing System: The design incorporates a comprehensive transaction management system through multiple related entities:

- purchase_request: Initiates the buying process
- purchase_order: Handles order processing
- purchase_order_bill: Manages billing information
- product_purchase_record: Maintains transaction history This structure ensures proper order tracking, billing management, and historical record-keeping.

Queries for Feature Implementation: The system's functionality is implemented through various complex SQL queries. Here are some critical implementations:

1. \$sqlworkrq = "SELECT * FROM worker_request

WHERE (('\$_POST[fromdate]' BETWEEN from_date AND to_date)

OR ('\$_POST[tilldate]' BETWEEN from_date AND to_date))

AND worker_id='\$_SESSION[Workerids]'

AND worker_status='Approved'";

2. (viewpurchaseorderbill.php)

\$sql_detailed = "SELECT

pr.purchase_request_id,

pr.status as request_status,

p.title as product_name,

p.quantity_type,

c.customer_name,

c.mobile_no,

s.seller_name,

pr.quantity as requested_quantity,

pr.request_date,

pr.request_date_expire,

pr.note,

po.purchase_amt,

po.status as order_status,

(SELECT AVG(po2.purchase_amt)

FROM purchase_order po2

WHERE po2.product_id = p.product_id) as avg_product_price,

(SELECT COUNT(*)

```

FROM purchase_order po3

WHERE po3.customer_id = pr.customer_id) as customer_total_orders,

DATEDIFF(pr.request_date_expire, CURRENT_DATE) as days_until_expiry

FROM

    purchase_request pr

INNER JOIN

    product p ON p.product_id = pr.product_id

INNER JOIN

    customer c ON c.customer_id = pr.customer_id

INNER JOIN

    seller s ON s.seller_id = p.seller_id

LEFT JOIN

    purchase_order po ON po.purchase_request_id = pr.purchase_request_id

WHERE

    pr.purchase_request_id = '$purchaserequestid';

```

```

$result_detailed = mysqli_query($con, $sql_detailed);

```

```

$order_details = mysqli_fetch_assoc($result_detailed);

```

3. (viewcstpurchasereorder.php)

```

$sql = "WITH OrderAnalysis AS (

```

```

    SELECT

```

```

        po.purchase_order_id,

```

```

        po.customer_id,

```

```

        po.product_id,

        po.purchase_order_date,

        po.status,

        po.purchase_amt,

        po.quantity,

        p.title,

        p.quantity_type,

        c.customer_name,

        DATEDIFF(Date_Add(po.purchase_order_date, Interval 7 Day),
CURRENT_DATE()) as days_remaining,

        CASE

            WHEN CURRENT_DATE() > Date_Add(po.purchase_order_date,
Interval 7 Day) AND po.status = 'Pending'

                THEN 'Order cancelled'

            ELSE po.status

        END as calculated_status,

        ROW_NUMBER() OVER (PARTITION BY po.customer_id ORDER BY
po.purchase_order_date DESC) as order_rank

FROM purchase_order po

INNER JOIN product p ON po.product_id = p.product_id

INNER JOIN customer c ON po.customer_id = c.customer_id

WHERE po.customer_id = '$_SESSION[customerid]'

)

```

4. (salesprintbill.php)

```
$sql = "SELECT
```

```
    bill.*,
```

```
    po.*,
```

```
    prod.title,
```

```
    prod.img_1,
```

```
    prod.quantity_type,
```

```
    cust.customer_name,
```

```
    cust.address,
```

```
    cust.contact_no,
```

```
    cust.pincode as cust_pincode,
```

```
    custcity.city as custcity,
```

```
    custstate.state as custstate,
```

```
    custcountry.country as custcountry,
```

```
    sell.seller_name,
```

```
    sell.seller_address,
```

```
    sell.mobile_no,
```

```
    sell.pincode as sell_pincode,
```

```
    sell.bank_name,
```

```
    sell.bank_acno,
```

```
    sell.bank_branch,
```

```
    sell.bank_IFSC,
```

```
    selcity.city as selcity,
```

```
    selstate.state as selstate,
```

```

        selcountry.country as selcountry

FROM purchase_order_bill bill

JOIN purchase_order po ON bill.purchase_order_id =
po.purchase_order_id

JOIN product prod ON po.product_id = prod.product_id

JOIN customer cust ON po.customer_id = cust.customer_id

JOIN seller sell ON po.seller_id = sell.seller_id

LEFT JOIN city custcity ON cust.city_id = custcity.city_id

LEFT JOIN state custstate ON cust.state_id = custstate.state_id

LEFT JOIN country custcountry ON cust.country_id =
custcountry.country_id

LEFT JOIN city selcity ON sell.city_id = selcity.city_id

LEFT JOIN state selstate ON sell.state_id = selstate.state_id

LEFT JOIN country selcountry ON sell.country_id = selcountry.country_id

WHERE bill.purchase_order_bill_id = '$_GET[purchase_order_bill_id]';

```

```
$qsqlbill = mysqli_query($con,$sql);
```

```
$rs = mysqli_fetch_array($qsqlbill);
```

```
5. $sql = "SELECT w.*,
```

```
    c.country,
```

```
    s.state,
```

```
    ct.city
```

```
FROM worker w

LEFT JOIN country c ON w.country_id = c.country_id

LEFT JOIN state s ON w.state_id = s.state_id

LEFT JOIN city ct ON w.city_id = ct.city_id

WHERE w.worker_id='$_SESSION[workerid]';

$qsql = mysqli_query($con,$sql);

$rsdisp = mysqli_fetch_array($qsql);
```

These queries demonstrate:

- Proper usage of the schema's table structure
- Complex joins across geographic hierarchy
- Order processing workflow
- Worker management system
- Status-based filtering across entities
- Integration of product categorization system

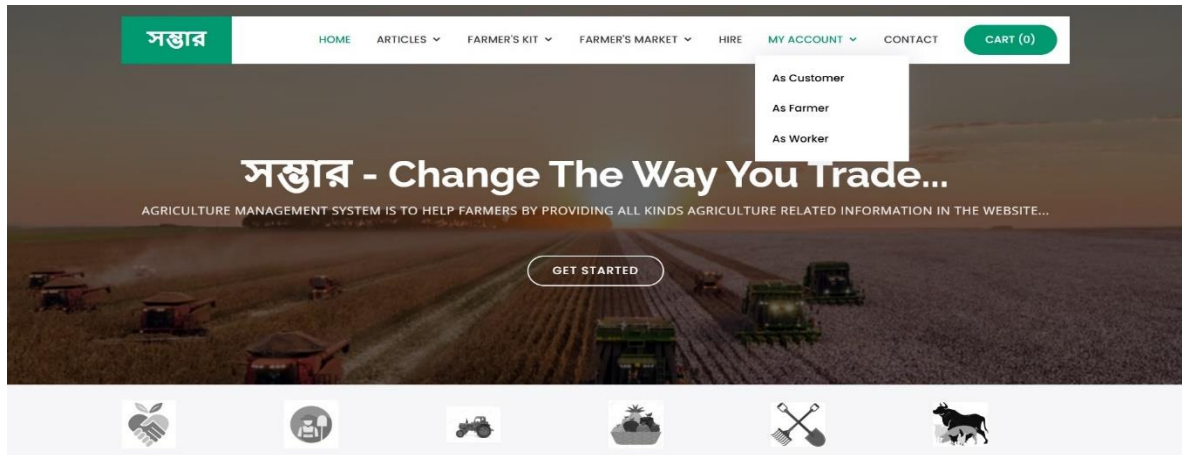
The implementation maintains referential integrity while providing comprehensive functionality for:

- Product listing and management
- Order processing and tracking
- Worker assignment and monitoring
- Geographic data correlation
- User role management

Each query is designed to work with the specific fields and relationships shown in your schema diagram, ensuring compatibility and proper data flow through the system.

10. Application Screenshots:

Home:



Farmer:

Farmer Login



Login Panel

Email address

farmer@gmail.com

Password

[Forgot Password?](#)

[Click here to Login](#)

New User



[Sign Up \(It's Free\)](#)

FARMER LOGIN/REGISTER

Online platform links farmers to buyers Buy and sell your Agriculture produce online free (Buyers meet Farmers) - sell or buy agriculture product online....



Existing Farmer

[Sign In & Get Started](#)



New User

[Sign Up \(It's Free\)](#)

Your Name:	Farmer			
Your Address:	farmerfarmer Dhaka 1212 Dhaka Bangladesh			
Contact Number:	01912687155			
Mobile Number:	01912687155			
Email ID:	farmer@gmail.com			
Bank Details:	<table><tr><td>Account No.:</td><td>55345345435</td></tr></table>		Account No.:	55345345435
Account No.:	55345345435			

Keep Your Profile Updated Here..

Farmer Name *

Farmer

Email ID *

farmer@gmail.com

Address *

farmerfarmer

Country *

Bangladesh ▾

State *

Dhaka ▾

City *

Dhaka ▾

Pincode *

1212

Enter Old password, New Password, Confirm password to change password...

Old password *

New Password *

Confirm Password *

Change Password



Enter Produce Detail...

Category *

Select Category ▾

Produce *

Select ▾

Variety *

Select ▾

Title *

Image 1 *

No file chosen

Image 2 *

No file chosen

Image 3 *

No file chosen

Image 4 *

No file chosen

Image 5 *

No file chosen

Quantity *

Quantity Type *

Select ▾

Description *

Status *

Select Status ▾

Submit

View Produce Detail...

Show 10 entries

Search:

Category	Produce	Variety	Title	Images	Quantity	Upload Date	Status	Action
Cereals and Pulses	Barley	Other	Fresh & High Quality Barley		100.00 Kilogram	26-Jan-2025	Active	Edit Delete
Dry Fruit and Nuts	Apricot	Other	Fresh Apricot		112.00 Kilogram	26-Jan-2025	Active	Edit Delete
Edible Oil	Hazelnut Oil	Other	Good Quality Hazelnut Oil Good		200.00 Liter	26-Jan-2025	Active	Edit Delete



Show 10 entries Search:

Product	Quantity	Request Date	Expiry Date	Note	Status	Cost	Action
Imported Red Apple	20.00 Kilogram	2025-01-26	2025-02-02		Pending		Send Quotation Delete

Showing 1 to 1 of 1 entries Previous 1 Next

Kindly enter your budget for this produce...

Product	Quantity	Request Date	Expiry Date	Note	Status
Imported Red Apple	20.00	2025-01-26	2025-02-02		Pending

Sales Price

Quantity: (In Kilogram)

20.00

Price:

4000

Submit

Show 10 entries Search:

Product	Customer Name	Request Date	Amount	Quantity	Status
Imported Red Apple	Customer	2025-01-26	TK 4000.00	20.00 Kilogram	Pending

Showing 1 to 1 of 1 entries Previous 1 Next

Show 10 entries Search:

Product	Customer Name	Quotation Date	Make Payment Before	Amount	Quantity	Status	Action
Imported Red Apple	Customer	26-01-2025	02-02-2025	TK 4000.00	20.00 Kilogram	Paid	

Showing 1 to 1 of 1 entries Previous 1 Next

সন্টার

HOME

ARTICLES

FARMER'S KIT

FARMER'S MARKET

HIRE

MY ACCOUNT

CONTACT

CART (0)



Fertilizers

Fodders

Machinery and Equipments

Compost

Biofertilizers

Chemical Fertilizer

Urea Fertilizer

Organic Fertilizers

Organic Manure

Seeds



localhost/ShombharTFM/displayproducts.php

সন্টার

HOME

ARTICLES

FARMER'S KIT

FARMER'S MARKET

HIRE

MY ACCOUNT

CONTACT

CART (0)

JOBS IN AGRICULTURE HOSTS INDUSTRY LEADING FARM JOBS NEAR YOU.

Select country:

Select Country

Select state:

Select State

Select city:

Select City

Search

Clear Search

Kabir Hossain

Expected salary: 20000.00/day

Work Profile: Experienced

View More

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HOMEARTICLESFARMER'S KITFARMER'S MARKETHIREMY ACCOUNTCONTACTCART (0)

Worker Request Entry

From Date *

dd-----yyyy

Till Date *

dd-----yyyy

Task *

Country *

Select Country

State *

Select State

City *

Select

Payment Amount *

Incentive Type *

Select Incentive Type

Any Comments or Note *

Submit

সম্ভার

HOMEARTICLESFARMER'S KITFARMER'S MARKETHIREMY ACCOUNTCONTACTCART (0)

View Recruitment Details

Showing 10 entries

Search:

Profile	Date	Task Allotted	Work Location	Status	View
Worker - Worker Farmer - Farmer	2025-01-29 to 2025-01-31	Farming	Dhaka, Dhaka, Bangladesh	Seller - Approved Worker - No updates yet	Edit View

Showing 1 to 1 of 1 entries

Previous1Next

Customer:

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HOMEARTICLES ▼FARMER'S KIT ▼FARMER'S MARKET ▼HIREMY ACCOUNT ▼CONTACTCART (0)

Customer Login/Register

Home

CUSTOMER
LOGIN/REGISTER

Login as Customer/Buyer - Buy Vegetable,
Fruits, Nuts directly from Farmer...

Existing User

Sign In & Get Started

New User

Sign Up (It's Free)

সম্ভার

HOMEARTICLES ▼FARMER'S KIT ▼FARMER'S MARKET ▼HIREMY ACCOUNT ▼CONTACTCART (0)

Customer Login

Home

Customer Login



Login Panel

Email address

customer@gmail.com

Password

Forgot Password?

Click here to Login

New User

Sign Up (It's Free)

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HOMEARTICLES ▼FARMER'S KIT ▼FARMER'S MARKET ▼HIREMY ACCOUNT ▼CONTACTCART (0)

Customer Dashboard

Your Name:	Customer
Your Address:	customercustomer Dhaka 1212 Dhaka Bangladesh
Mobile Number:	01798210399
Secondary Number:	01798210399
Email ID:	customer@gmail.com
Customer Type:	Consumer

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HOMEARTICLESFARMER'S KITFARMER'S MARKETHIREMY ACCOUNTCONTACTCART (0)

Keep Your Profile Updated Here..

Customer Name *
Customer

Email ID *
customer@gmail.com

Address *
customercustomer

Country *
Bangladesh

State *
Dhaka

City *
Dhaka

Pincode *
1212

Contact Number *
01798210399

Mobile Number *
01798210399

Customer Type *
Consumer

Update Profile

Total Quantity: 50.00 Kilogram

Imported Red Apple

Price: 400 440 per Kg

Send A Purchase Request

Purchase Quantity* (in Kilogram)
20

Request Date* (in Kilogram)
26-Jan-2025

Expiry Date* (in Kilogram)
02-Feb-2025

Any notes:

Click Here to send purchase request..

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HOMEARTICLESFARMER'S KITFARMER'S MARKETHIREMY ACCOUNTCONTACTCART (0)

Farm Produce Purchase Request

Show 10 entries

Search:

Product	Quantity	Request Date	Expiry Date	Note	Status	Action
Imported Red Apple	20.00 Kilogram	26-01-2025	02-02-2025		Pending	Delete

Showing 1 to 1 of 1 entries

Previous1Next

Show entries

Search:

Product	Quantity	Request Date	Expiry Date	Note	Status	Action
Imported Red Apple	20.00 Kilogram	26-01-2025	02-02-2025		Active	

Showing 1 to 1 of 1 entries

Previous Next

Product	Customer Name	Quotation Date	Make Payment Before	Amount	Quantity	Status	Action	
Imported Red Apple	Customer	26-01-2025	02-02-2025	TK 4000.00	20.00 Kilogram	Pending	Make Payment - 1	Make Payment - 2

Having Problems? Call Support: +880 9612 22 1000

Order Summary

Customer Name: Test Customer

Merchant: testshomb3qbi

Transaction ID: SSLCZ_TEST_67961c936ce37

Total (BDT): ৳4,000.00

Cancel order & return to [www.mahmodulmashrafett.me](#)

Select Payment Method

All Gateways

City Bank

EBL Skypay

Debit/Credit Cards

VISA

MasterCard

Union Bank

City Bank

Fastcash

Mobile Banking

iKash

gpay

M

AB Direct

Internet Banking

City Bank

Union Bank

City Bank

Bank Asia

Powered By

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HOMEARTICLES▼FARMER'S KIT▼FARMER'S MARKET▼HIREMY ACCOUNT▼CONTACTCART (0)

সম্ভার

Payment Bill:

Order Bill Number: 18
Paid Date: 2025-01-26
Customer Name: Customer
Seller Name:

Customer address:

customercustomer
Dhaka
Dhaka
Bangladesh
PIN Code:1212
Ph. No. 01798210399

Seller Address:

farmerfarmer
Dhaka
Dhaka
Bangladesh
PIN Code: 1212
Ph. No. 01912687155

Product Details

Image	Product Name	Quantity	Total
	Imported Red Apple	TK 20.00 Kilogram	TK 4000.00
		Grand total	TK 4000.00

Payment type:	Visa
Paid Date:	2025-01-26
Seller Bank Account detail:	Bank Name: IFIC Bank Account number: 55345345435 Branch: Badda IFSC Code: IFIKBDDH

Print Bill

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HOMEARTICLES▼FARMER'S KIT▼FARMER'S MARKET▼HIREMY ACCOUNT▼CONTACTCART (0)

KBS

sfkjhskdh

Farmer

Type your message...

Send

Worker:

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HOMEARTICLES ▼FARMER'S KIT ▼FARMER'S MARKET ▼HIREMY ACCOUNT ▼CONTACTCART (0)

Worker Login/RegisterHome

WORKER
LOGIN/REGISTER

Are you willing to purchase products from Farmer's?
Login / Register as Worker

Existing Worker
Sign In & Get Started

New Worker
Sign Up (It's Free)

সম্ভার

HOMEARTICLES ▼FARMER'S KIT ▼FARMER'S MARKET ▼HIREMY ACCOUNT ▼CONTACTCART (0)

Worker LoginHome

Worker Login



Login Panel

Email address
worker@gmail.com

Password

Forgot Password?
Click here to Login

New User

Sign Up (It's Free)

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HOMEARTICLES ▼FARMER'S KIT ▼FARMER'S MARKET ▼HIREMY ACCOUNT ▼CONTACTCART (0)

Your Name:Worker

Your Address:workerworker,
Dhaka,
1230,
Dhaka,
Bangladesh.

Date Of Birth:22-02-1996

Contact Number:01923457612

Work Profile:Well Experienced

Worker Panel

My Profile

Change Password

Chat

View Your Jobs

Work Schedule

Logout

localhost/ShombharTFM/viewworkerrequest.php

Show 10 ▾ entries

Search:

Profile	Date	Task Allotted	Work Location	Status	Action
Worker - Worker Farmer - Farmer	2025-01-29 to 2025-01-31	Farming	Dhaka, Dhaka, Bangladesh	Seller - Approved Worker - No updates yet	View

Showing 1 to 1 of 1 entries

Previous

1

Next



Task Allotted:

Farming

Worker Profile:

Well Experienced

Worker detail:
Worker
workerworker
Dhaka
Dhaka
Bangladesh
PIN-1230

Seller Profile:
Farmer
farmerfarmer
Dhaka
Dhaka
Bangladesh
PIN-1212

Work Period:

2025-01-29 to 2025-01-31

Work Location:

Dhaka, Dhaka, Bangladesh

Incentive:

TK. 9090.00 (Wage)

Seller Comment:

I want full focused

Status: **Approved**

Worker Comment:

Status: **Approved** ▾

Post comment here

Update

Your Work Schedule

January 2000						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29 Approved	30 Approved	31 Approved	

Admin:

Staff Login



Login Panel

Login ID

Password

[Click here to Login](#)

Number of Country records	1
Number of Customer records	9
Number of Produce records	179
Number of Product records	9
Number of Product Purchase Bill records	1
Number of Product Purchase records	1
Number of Purchase Order records	5
Number of Purchase Order Bill records	3
Number of Purchase Request records	5
Number of Seller records	3
Number of Selling Product records	11
Number of State records	8
Number of Variety records	628



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HOMEARTICLESFARMER'S KITFARMER'S MARKETHIREMY ACCOUNTCONTACTCART (0)

Number of Variety records	628
Number of Worker records	2
Number of Worker Request records	2

Admin Panel

Report>

General Settings>

Farmer Settings>

Worker>

Farmer's Kit>

Article Settings>

Logout

Customer Account Report

Farmer Account Report

Farmer's Kit - Product Billing Report

Farmer's Market - Produce Report

Farmer's Market - Produce Purchase Request

Farmer's Market - Produce Billing Report

Staff Login

This feature is Available only for Staff or Administrator

Click here to Login

সম্ভার

United City
Madani Ave
Dhaka - 1212, Bangladesh

Phone: +880 1234567890
Email: info@shombharTFM.com

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HOMEARTICLESFARMER'S KITFARMER'S MARKETHIREMY ACCOUNTCONTACTCART (0)

Number of Variety records	628
Number of Worker records	2
Number of Worker Request records	2

Admin Panel

Report>

General Settings>

Farmer Settings>

Worker>

Farmer's Kit>

Article Settings>

Logout

Add Admin

View Admin

Change My Password

Add City

View City

Add State

View State

Add Country

View Country

Staff Login

This feature is Available only for Staff or Administrator

Click here to Login

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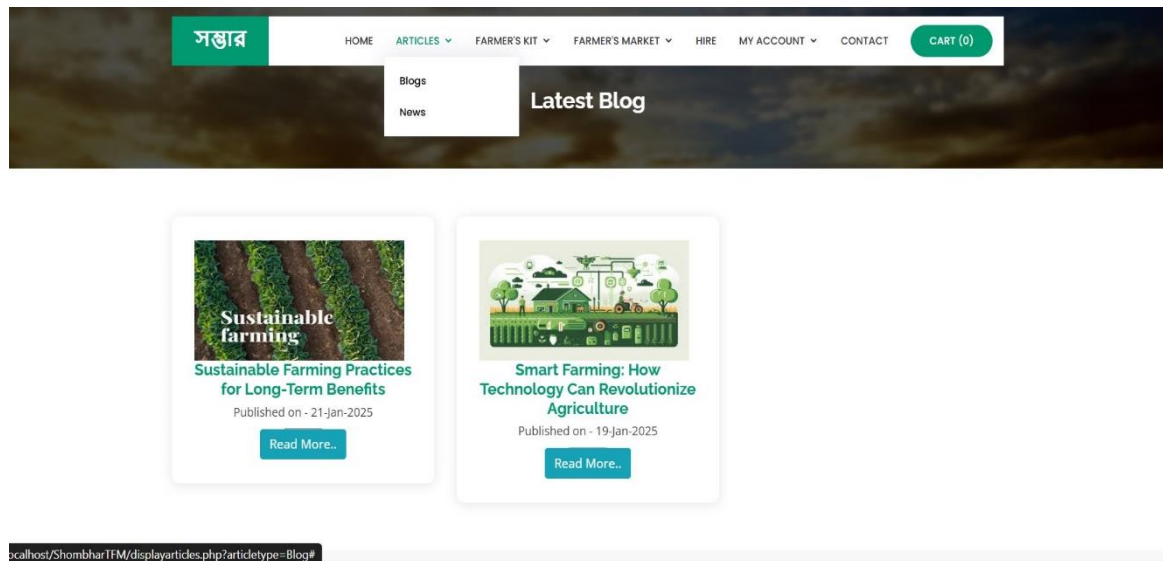
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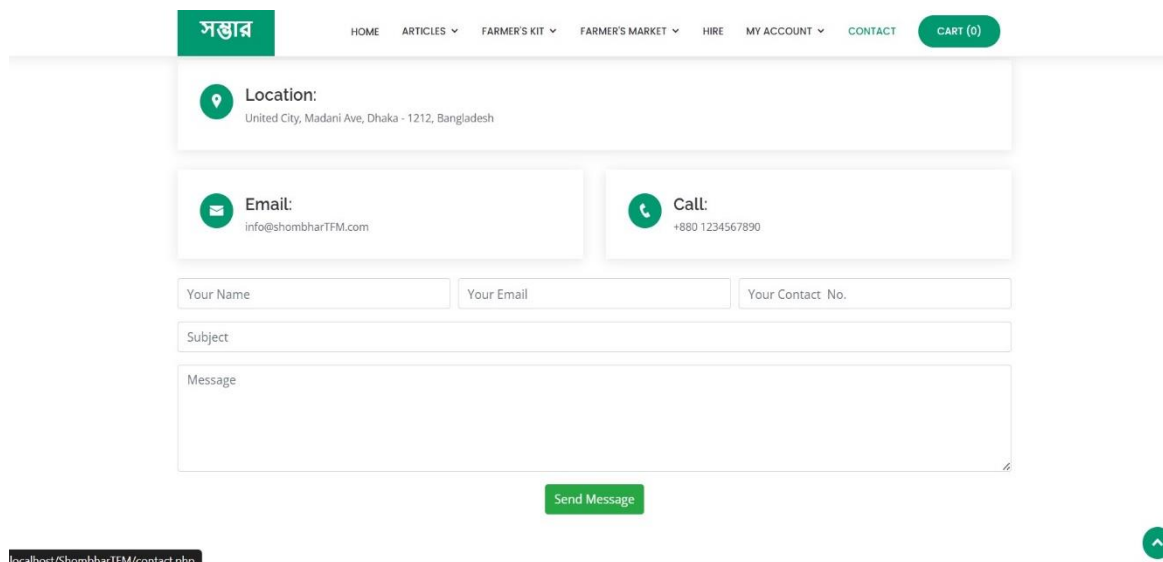
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11. Limitations:

- **No Bengali language support** – Limits accessibility for local farmers.
- **Dependence on agents** – Rural farmers must rely on agents for transactions.
- **Partial payment option** – No flexibility in payment methods.
- **Chat system usability** – Needs improvement for better user experience.
- **Lack of review and rating system** – No way for buyers to provide feedback.

- **No notification feature** – Users do not receive updates or alerts.
- **Mobile responsiveness issues** – Website is not fully optimized for mobile devices.
- **No community section** – Users cannot ask for reviews or discuss products.

12. Future Work:

- **AI Integration:** Add personalized recommendations for buyers based on purchase history.
- **Mobile Application:** Develop a mobile app for better accessibility.
- **Enhanced Reporting:** Introduce advanced analytics for administrators.
- **Localization:** Support multiple languages to cater to diverse user bases.
- **Features:** Adding review, rating and community section.
- **Notification:** Will have notification section for newest update.

13. Conclusion:

The Online Agriculture Management System is a comprehensive and innovative platform designed to bridge the gap between farmers, buyers, and workers, providing a seamless and efficient marketplace for agricultural trade. By leveraging technology, this system empowers farmers to sell their produce directly to consumers and wholesalers, eliminating the need for intermediaries and increasing their profits. Buyers benefit from the convenience of purchasing farm-fresh products online, ensuring quality and affordability.

One of the system's key features is the ability for buyers to send purchase requests to check product quality, quantity, and price, enhancing transparency in transactions. The platform also ensures that every financial transaction, including payments and charges, is securely recorded, making the process more reliable and accountable. Payments are streamlined, with farmers receiving funds from wholesalers or retailers upon successful delivery of their products.

The platform categorizes users into four roles, each with distinct functionalities:

- Customers can explore and purchase agricultural products with ease.

- Farmers can list and sell their produce while also hiring workers for assistance.
- Workers can offer their services to farmers, ensuring efficient agricultural operations.
- Administrators oversee the entire system, managing reports, user activities, and marketplace regulations.

Security and accessibility are prioritized through a login-based authentication system, ensuring that only registered users can access the platform. Additionally, an integrated article and blog section provides valuable resources to farmers, helping them enhance productivity and profitability through expert insights, farming techniques, and industry trends.

A standout feature of this system is real-time communication, enabling direct chatting between customers and farmers. This fosters better engagement, quicker decision-making, and a stronger sense of community within the marketplace. Moreover, farmers can purchase essential farming supplies, including fertilizers, fodder, and machinery, ensuring they have the necessary resources to optimize their agricultural activities.

In conclusion, the Online Agriculture Management System is more than just a trading platform—it is an ecosystem that enhances efficiency, transparency, and connectivity in the agricultural sector. By integrating essential features such as direct sales, worker hiring, real-time chatting, and resource procurement, this system creates a sustainable and user-friendly digital marketplace that benefits farmers, customers, and workers alike. With its secure transaction processes, knowledge-sharing opportunities, and strong community engagement, this platform stands as a revolutionary solution in modern agricultural management.