NORTH SOUTH UNIVERSITY

Project Name: Agricultural Management System

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Course: CSE311L

Submitted to:

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Introduction

Title of the project:

"SK Agriculture"

Objective of the project:

The name 'SK Agriculture' indicates Intelligent Agriculture. 'SK Agriculture' is a model farmer management website application. This site helps the farmers to sell their agricultural produce online and suggests best -in-practice farming processes. Hence, providing a wider market and helping them to not restrict themselves to the local market. It helps the wholesalers and retailers in buying produce from larger number of farmers. Thereby, enables the wholesalers and retailers in expanding their business. It features online shopping for fertilizers, pesticides, machinery & tools, etc. It helps the farmers to keep track of their agricultural production with features such as virtual calendar, weather forecasting, etc. and enables them to hire labourers, which in turn, will help the farm labourers to find small jobs by having a work profile in the website. As a whole, 'SK Agriculture' provides a concept of virtual agricultural trade to its users.

Modules of the project:

- Customer account module
- Product module
- Category module
- Location module
- Production module
- Purchase request module
- Purchase order module
- Seller module
- Labourer module
- Work request module
- Article and blog module
- Dashboard Module

Project Category:

RDBMS (Relational Database Management System).

Language(s) to be used:

- Design and Interface: HTML, CSS
- Programming language: PHP
- Scripting language: AJAX, JavaScript
- Database: MySQL Server

Minimum Hardware Requirements:

- Operating System: Windows XP, 7 OR 8
- Processor: Intel Core Duo 2.0 GHz or more
- RAM: 1 GB or more
- Hard Disc: 80 GB or more
- Monitor: 15 inches CRT or LCD Monitor
- Keyboard: Normal or multimedia keyboard
- Mouse: Compatible Mouse

Software Requirements:

- XAMPP
- APACHE Server
- MySQL Server
- Browser: Google Chrome, Mozilla Firefox

Innovativeness and Usefulness:

- Farmers can sell their produce online which can be purchased by wholesalers and retailers. Buyers can send purchase request to check the quality of the product.
- After negotiating the price for the produce, the farmer sends a purchase order. This module covers these entries and charge details also should be entered. The payments will be received from the wholesaler/retailer, once the produce is delivered to them.
- There are four types of users: farmers, wholesalers/retailers, labourers and administrator. The login ID and password is required to login to the system.
- The articles and blog sections help farmers to gain knowledge.
- Administrator can view and print all kinds of reports.
- It allows the farmers to keep track of their agricultural produce.
- It helps the farm labourers in finding jobs.

Future scope of the project:

- We can create Android or iOS application for this project.
- We can make use of sensor technology to measure the quality of the product.

ABOUT US

To provide technology and services to the farmers, merchants and farm labourers, thus, helping them to expand their business and provide them with a wider market. Hence, improve the present farming processes and to provide knowledge about recent agricultural issues.

To provide a helping hand to the farmers and farm labourers in improving their lives through the medium of technology, thereby, improving the Agricultural Sector in the Bangladesh Economy.

References:

www.w3schools.com
www.tutorialspoint.com

For front end : "Free Code Camp" Youtube Video
For Backend : Udemy Backend Couse

Database design

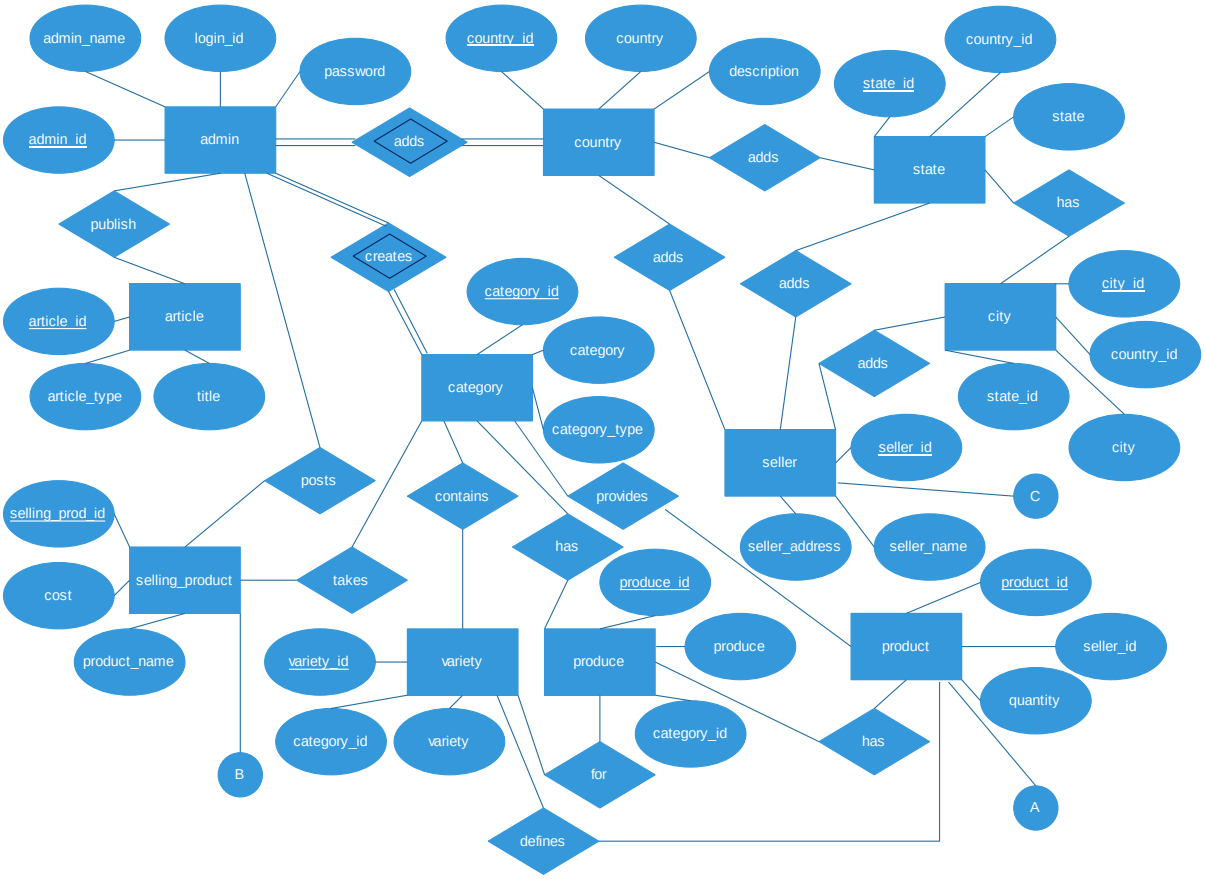
Database design is done before building it to meet needs of end-users within a given information-system that the database is intended to support. The database design defines the needed data and data structures that such a database comprises

The database is physically implemented using MySQL.

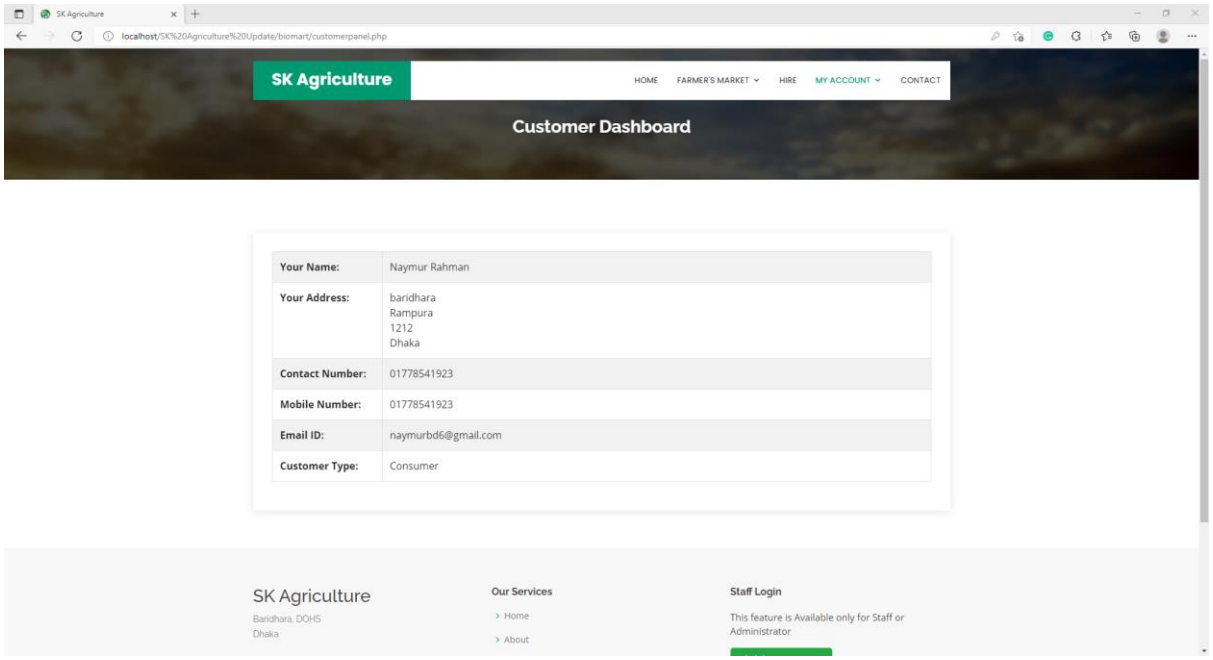
- admin
- article
- category
- city
- country
- customer
- produce
- product
- product purchase bill
- product purchase record
- purchase order
- purchase order bill

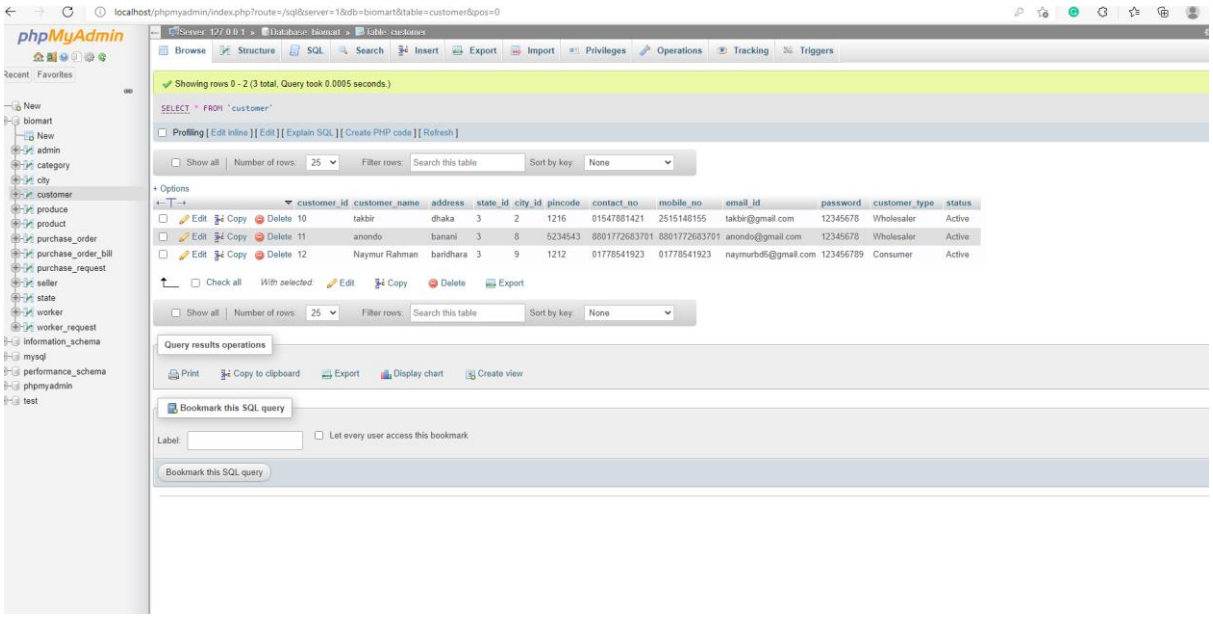
- purchase request
- seller
- selling product
- state
- Worker

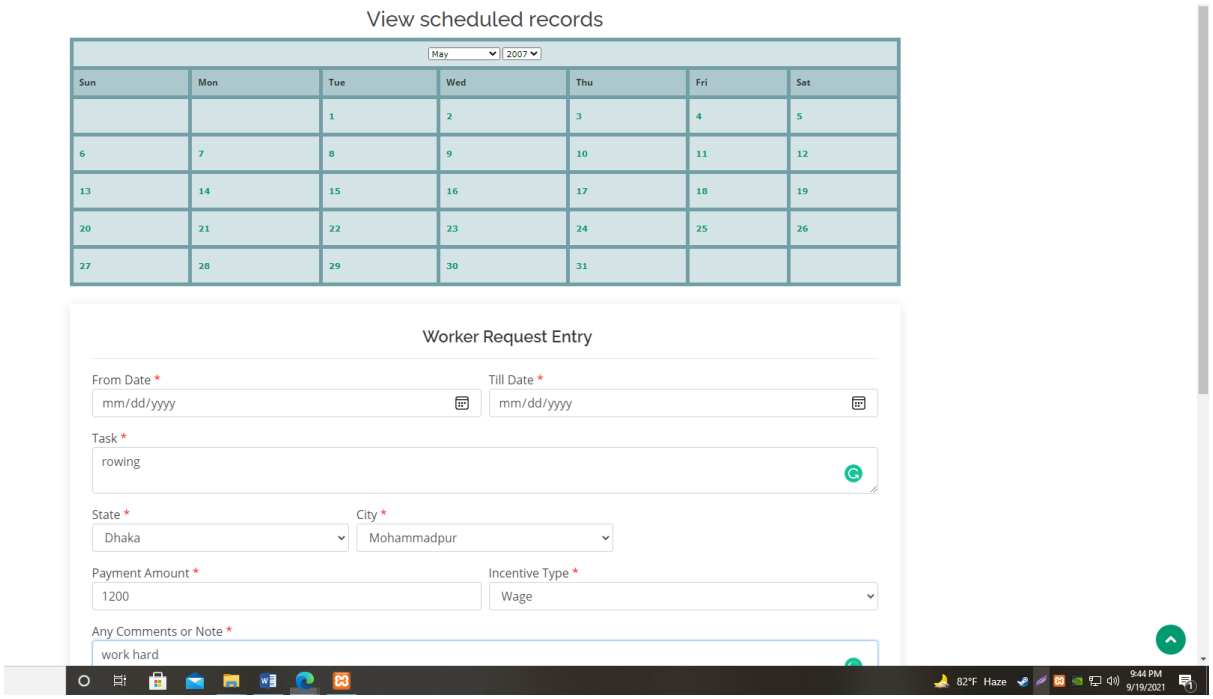
Er Diagram :

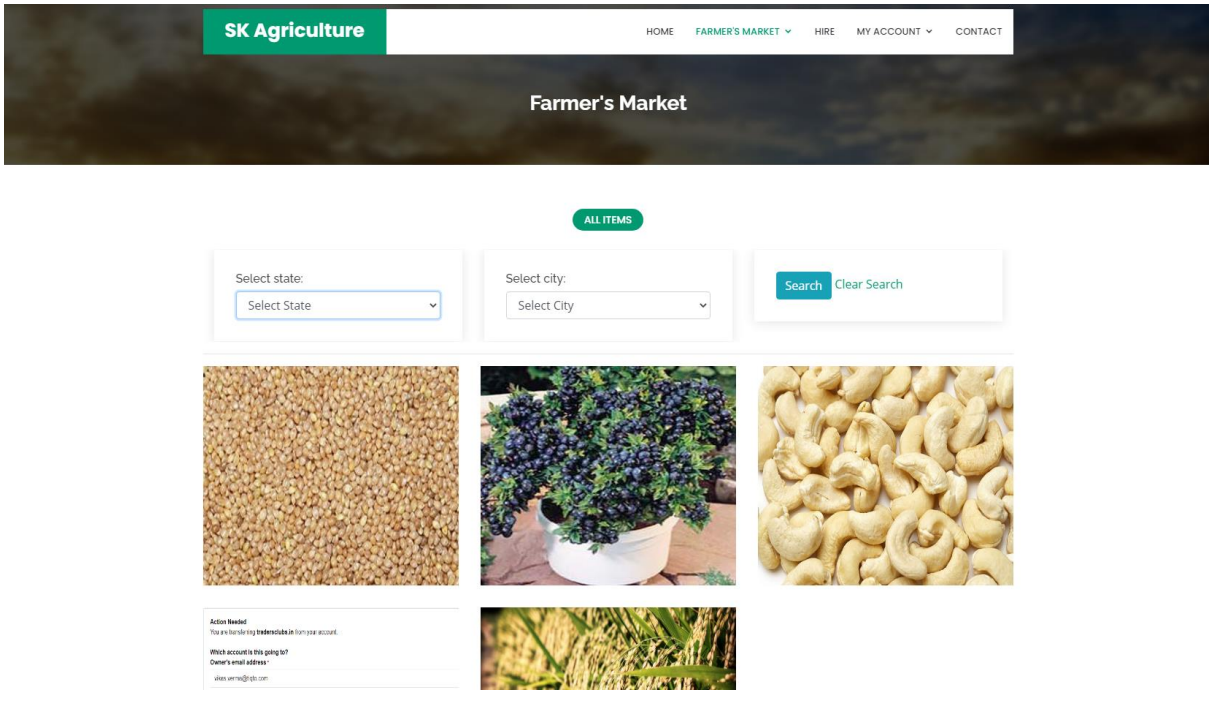


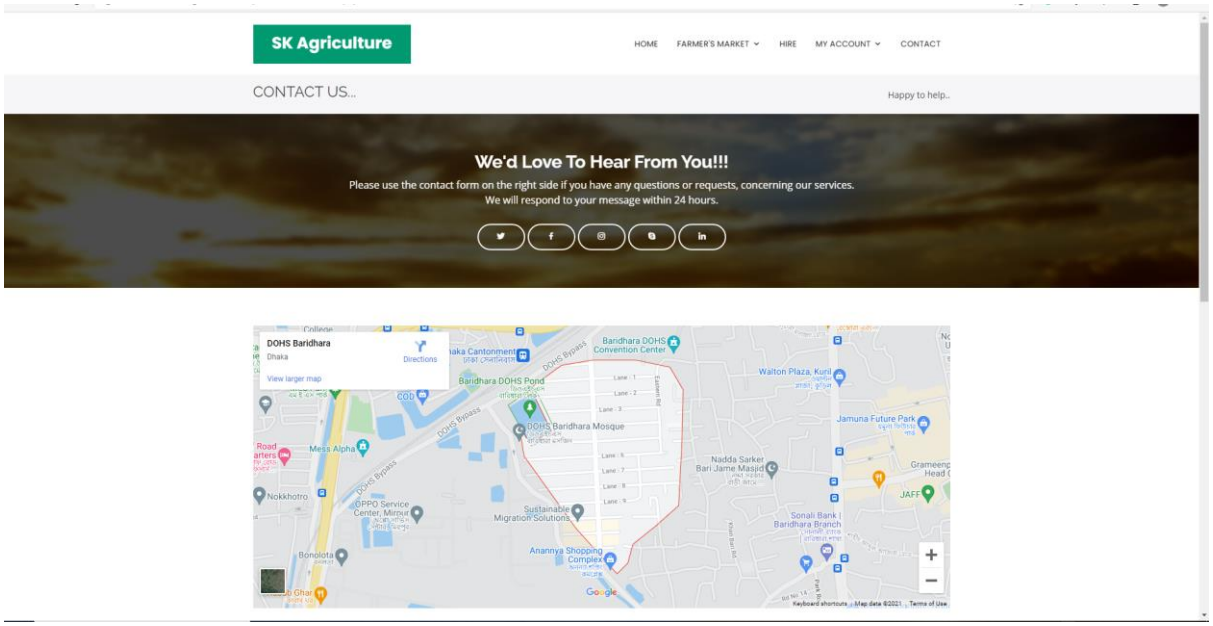
Screenshots:

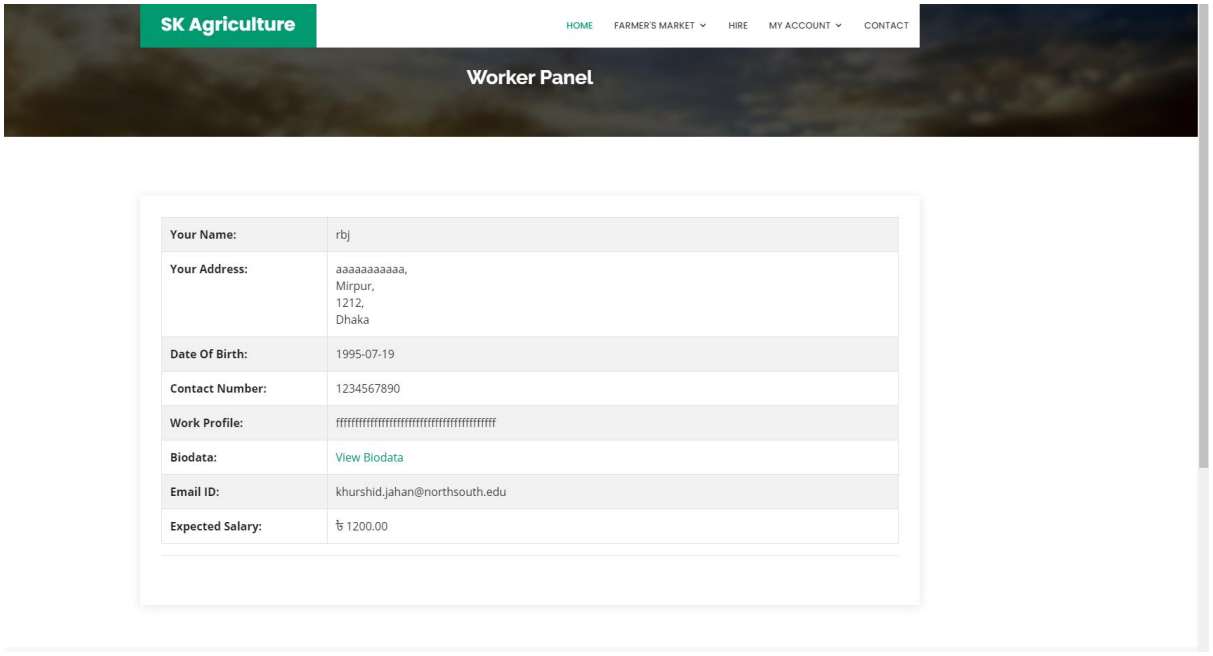

SK Agriculture
HOME
FARMER'S MARKET
HIRE
MY ACCOUNT
CONTACT
Customer Dashboard
Your Name: Naymur Rahman
Your Address: baridhara Rampura 1212 Dhaka
Contact Number: 01778541923
Mobile Number: 01778541923
Email ID: naymurbd6@gmail.com
Customer Type: Consumer
SK Agriculture
Baridhara, DOHS
Dhaka
Our Services
Home
About
Staff Login
This feature is Available only for Staff or Administrator


phpMyAdmin
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 2 (3 total, Query took 0.0005 seconds.)
SELECT * FROM `customer`
customer_id customer_name address state_id city_id pincode contact_no mobile_no email_id password customer_type status
10 takbir dhaka 3 2 1216 01547881421 2515148155 takbir@gmail.com 12345678 Wholesaler Active
11 anondo banani 3 8 5234543 8801772683701 8801772683701 anondo@gmail.com 12345678 Wholesaler Active
12 Naymur Rahman baridhara 3 9 1212 01778541923 01778541923 naymurbd6@gmail.com 123456789 Consumer Active
Query results operations
Bookmark this SQL query


View scheduled records
May 2007
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 30 31
Worker Request Entry
From Date *
mm/dd/yyyy
Till Date *
mm/dd/yyyy
Task *
rowing
State *
Dhaka
City *
Mohammadpur
Payment Amount *
1200
Incentive Type *
Wage
Any Comments or Note *
work hard
82°F Haze
9:44 PM
9/19/2021


SK Agriculture
HOME
FARMER'S MARKET
HIRE
MY ACCOUNT
CONTACT
Farmer's Market
ALL ITEMS
Select state:
Select State
Select city:
Select City
Search
Clear Search





Conclusion: The project "SK Agriculture" is a man-made project and, therefore, there may be mistakes and limitations. The ideas put up may be different. The terms and

names may be different. However, our sincere effort was to give the best. The advanced techniques like sensor technology can be used in the future for measuring the quality of the product.