

OUTPUT SCREEN

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Welcome to Coven!
Where Customers and Producers Unite!
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Are you a Consumer or Vendor?C/VC
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Enter your details below to register yourself
Enter your name:Divya Nair
Enter your address:Whitefield
Enter your phone number:9988776655
Enter the product you want to buy:potato
You have been added!
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Fig1: Introductory message; collecting information from user

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To start buying, select any of the below option(s) by which your search will be filtered:
1. Specific Product
2. All products
3. Specific Area
4. All Areas
Enter your choice:14
Selected option: Specific product, Any area
Enter the required product:potato
-----
Your search results are:
Vendor Name, Product, Rate, Area, Timing
('Shamu Shah', 'potato', 12, 'Indiranagar', '12:00pm-5:00pm')
('Devi Amma', 'potato', 32, 'Whitefield', '10:30-11:30am')
('Atul Jayaraj', 'potato', 28, 'Jayanagar', '1:00-3:00pm')
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Fig 2: Consumer Choice Filter – 1 (specific product, any area) and its search results

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To start buying, select any of the below option(s) by which your search will be filtered:
1. Specific Product
2. All products
3. Specific Area
4. All Areas
Enter your choice:32
Selected option: Specific area, Any product
Enter the required area:Whitefield
Your search results are:
Vendor Name, Product, Rate, Area, Timing
('Venkat Swami', 'cabbage', 24, 'Whitefield', '1:00pm-7:00pm')
('Devi Amma', 'potato', 32, 'Whitefield', '10:30-11:30am')
('Shashank Khatri', 'bananas', 30, 'Whitefield', '4:00-5:00pm')
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Fig 3: Consumer Choice Filter – 2 (specific area, any product) and its search results

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To start buying, select any of the below option(s) by which your search will be filtered:
1. Specific Product
2. All products
3. Specific Area
4. All Areas
Enter your choice:24
Selected option: All products, All areas
Vendor Name, Product, Rate, Area, Timing
('Shamu Shah', 'potato', 12, 'Indiranagar', '12:00pm-5:00pm')
('Bholu Kothri', 'apple', 100, 'Hoodi', '3:00pm-8:00pm')
('Raja Pagri', 'maize', 60, 'Chandrapura', '3:00pm-5:00pm')
('Venkat Swami', 'cabbage', 24, 'Whitefield', '1:00pm-7:00pm')
('Atul Jayaraj', 'wheat', 50, 'Jayanagar', '9:00am-6:00pm')
('Shashank Khatri', 'bananas', 30, 'M.G.Road', '10:00-11:00am')
('Raju Kumar', 'onions', 25, 'Hoodi', '5:00-6:00pm')
('Shamu Shah', 'bananas', 25, 'Indiranagar', '9:00-10:00am')
('Bholu Kothri', 'onions', 28, 'Indiranagar', '3:00-4:00pm')
('Devi Amma', 'potato', 32, 'Whitefield', '10:30-11:30am')
('Devi Amma', 'cabbage', 28, 'Hoodi', '2:00-3:00pm')
('Devi Amma', 'cabbage', 28, 'Chandrapura', '4:00-5:00pm')
('Raju Kumar', 'onions', 25, 'Chandrapura', '9:30-10:30am')
('Venkat Swami', 'cabbage', 24, 'Jayanagar', '10:00-11:00am')
('Shashank Khatri', 'bananas', 30, 'Whitefield', '4:00-5:00pm')
('Atul Jayaraj', 'potato', 28, 'Jayanagar', '1:00-3:00pm')
('Bholu Kothri', 'apple', 100, 'M.G.Road', '9:00-11:00am')
('Shashank Khatri', 'apple', 90, 'M.G.Road', '10:00-11:00am')
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Fig 4: Consumer Choice – 3 (all products, all area) and its search results

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Welcome to Coven!
Where Customers and Producers Unite!
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Are you a Consumer or Vendor?C/VV
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Enter your details:
Enter your name:Sriram Kumar
Enter your phone number:9872346354
Enter the product you're selling:cabbage
Enter the rate of your product:30
Enter the area where your product is being sold:Indiranagar
Enter the time wherein the specified product is being sold at that area:2:00-3:00pm
You have been added!
-----

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Fig 5: Welcome message; collecting vendor details

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To start selling, select any of the below option(s) by which your search will be filtered:
1. Specific Product
2. All products
3. Specific Area
4. All Areas
Enter your choice:1
Selected option: Specific product, Any area
Enter the required product:cabbage
Your search results are:
('Product'),(' Area')
('cabbage', 'Whitefield')
-----

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Fig 6: Vendor choice filter – 1 (specific product, any area) and its search results

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To start selling, select any of the below option(s) by which your search will be filtered:
1. Specific Product
2. All products
3. Specific Area
4. All Areas
Enter your choice:3
Selected option: Specific area, Any product
Enter the required area:Indiranagar
('Product'),(' Area')
('potato', 'Indiranagar')
('bananas', 'Indiranagar')
('onions', 'Indiranagar')
-----

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Fig 7: Vendor Choice filter – 2 (specific area, any product) and its search results

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To start selling, select any of the below option(s) by which your search will be filtered:
1. Specific Product
2. All products
3. Specific Area
4. All Areas
Enter your choice:24
Selected option: All products, All areas
('Product'),(' Area')
('potato', 'Indiranagar')
('apple', 'Hoodi')
('maize', 'Chandrapura')
('cabbage', 'Whitefield')
('wheat', 'Jayanagar')
('potato', 'M.G.Road')
('potato', 'Whitefield')
('apple', 'Whitefield')
('apple', 'M.G.Road')
('bananas', 'Indiranagar')
('onions', 'Indiranagar')

```

Fig 8: Vendor choice filter – 3 (all products, all area) and its search results

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Select any one of the options below:
1.Continue shopping
2.View your recent products bought/sold
3.Know more about our project
4.Exit application
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Fig : Extra options provided to the consumer/vendor

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Enter your choice:1/2/3/41
Welcome to Coven!
Where Customers and Producers Unite!
-----
Are you a Consumer or Vendor?C/V

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Fig : Choosing option 1 (restarts the program)

Enter your choice:1/2/3/43
 About our project:

 Why did we start this project?

The current period of the pandemic has put a tremendous strain to food resources, thus causing a dilemma to farmers as well as consumers.

The harvest season has set in, but many farmers are unable to sell off their harvested stock to middlemen and are also unable to reach them to markets.

This has staggeringly affected their livelihood.

Thus, during the past few weeks, I have noticed that as a dire measure, small farmers in and around Bangalore have started to arrange their own means of transport to sell their harvest.

They contact their friends, who further check in their respective communities if their fellow neighbours are interested in buying or not.

This trend has picked up quite successfully.

But, due to lack of organization, farmers are not able to sell their products to a wider audience, and members of societies are unable to keep track of these vendors, thus causing confusion.

Hence, the aim of our computer project is to come up with a prototype platform which can be used by both the vendors and the consumers.

Fig : Choosing option 3 (gives more information regarding our project, which includes profit statistics and its data plotted on a graph and some pictures) – Part I

This python based platform allows the vendors to effectively communicate the whereabouts of their products,

and allows the consumers to update their preferences, based on which the platform interrelates the two different sets of data and establishes a match.

This helps the farmers to get a view of the optimal distribution path

(Eg. Closest locations of consumers, product requirements) and help maximize their benefits.

Consumers are also at an advantage as they can obtain the products at reasonable prices,

from the comfort of their home, without commuting outside, during such times where social distancing must be practised!

 Statistics of our project are:
 ('Product', 'Amount sold before this initiative', 'Amount sold after this initiative', 'Profit Percentage')
 ('potato', 8, 12, '33%')
 ('apple', 25, 100, '75%')
 ('maize', 30, 60, '50%')
 ('cabbage', 18, 24, '25%')
 ('wheat', 25, 50, '50%')

 Graphical representation of how our project made an impact
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Fig : Choosing option 3 – Part II

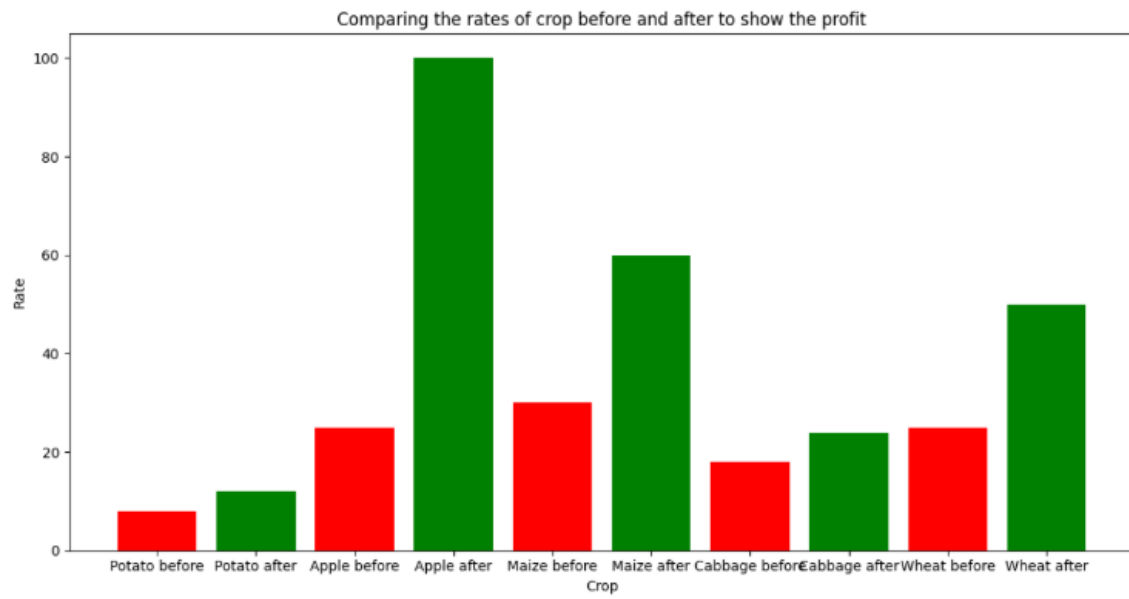


Fig : Graph showing profit obtained by vendors before and after using this application