



# East West University

## Department of CSE

*Project Title: BD AGRO System*

**Course code: CSE347(2)**

**Semester: FALL 2021**

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*East West University*

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## **Introduction**

BD Agro System is a service and information providing platform that makes life easy and saves time for the farmers who wants to acquire information regarding their crops especially, in terms of insecticides and which weather is suitable for creating a particular crop in a specific pH of land. Moreover, in case of emergency, clients can take advice from prominent experts and also Search for a specific item or list. Furthermore, they can also order fertilizers and insecticides at the cheapest price. This document contains the *software requirements specification (SRS)* for said app.

## **Motivations**

- The main goal of our app is to give people the opportunity to get services by seeking information through an app. For example-if one needs to know which insecticides will assist them in growing a specific crop, then they'll have to go to the website and ask experts or go through the saved information's by using search option.
- Our app is targeted to make life easier for people by providing service. For example-In this pandemic, people are at remote areas cannot move freely so if they need to buy fertilizer they can't go to market because of safety issues. So, in this situation they can order through website and get the required substance.
- Through this app clients can give review after taking service and recommend for future. All of that information available will be constantly available through the app's intuitive UI.

## **Challenges**

- Implementing certain features such as searching and ordering in a web-application.
- Since this project is entirely team driven, we lack any client or upper-management feedback. Lacking well-defined client-requirements will make the development process a little more difficult.
- Adding to the previous point, since we lack any client-defined deadlines, proper time management will also be an issue. To remedy this, the team has decided to use the Agile Scrum development method.
- Integrating several APIs into the application and ensuring they work properly together.
- Getting the team familiar with technologies they haven't worked with before, namely, Django and Python.
- Making sure the UI isn't too technical or cluttered and follows the latest design trends.
- Not being able to test the responsiveness of the app in certain devices/platforms the team doesn't have access to, such as Safari browser (iOS), smart-television, etc.

- Internet Explorer probably won't be able to support many of the app's features. However, since IE isn't very popular with the targeted audience, this should be considered a minor hindrance at best.
- Ensuring strict client security and protecting the client's data.

## **Non-functional Requirements**

For BD AGRO system types of non-functional requirement

1. Safety / security Requirement.
2. Environmental Requirement.
3. Usability Requirement.
4. Performance Requirement.
5. Development Requirement.

## **Functional Requirements**

In BD AGRO system need a functional requirement

1. A user can easily access recommended option following the flow chart.
2. BD AGRO is very user-friendly application. User can see all the current option in the menu bar.
3. While using BD AGRO user can get First help, quick replies and solutions.
4. User can see he/her profile, Number, Address, Location Including log out, log in option.
5. User can Order Fertilizer and other agricultural tools from BD AGRO Application. The package will be delivered to the users in the correct location in 2/3 business day.
6. BD AGRO also give you the suitable season and weather details for cultivating crops.
7. BD AGRO gives the best advice to the user by our expert doctors online. Just click the photo of the crop disease then upload the picture and add

your location, phone number, our expert doctor will advise the user in the description box what will be the solution or medicine for the disease.

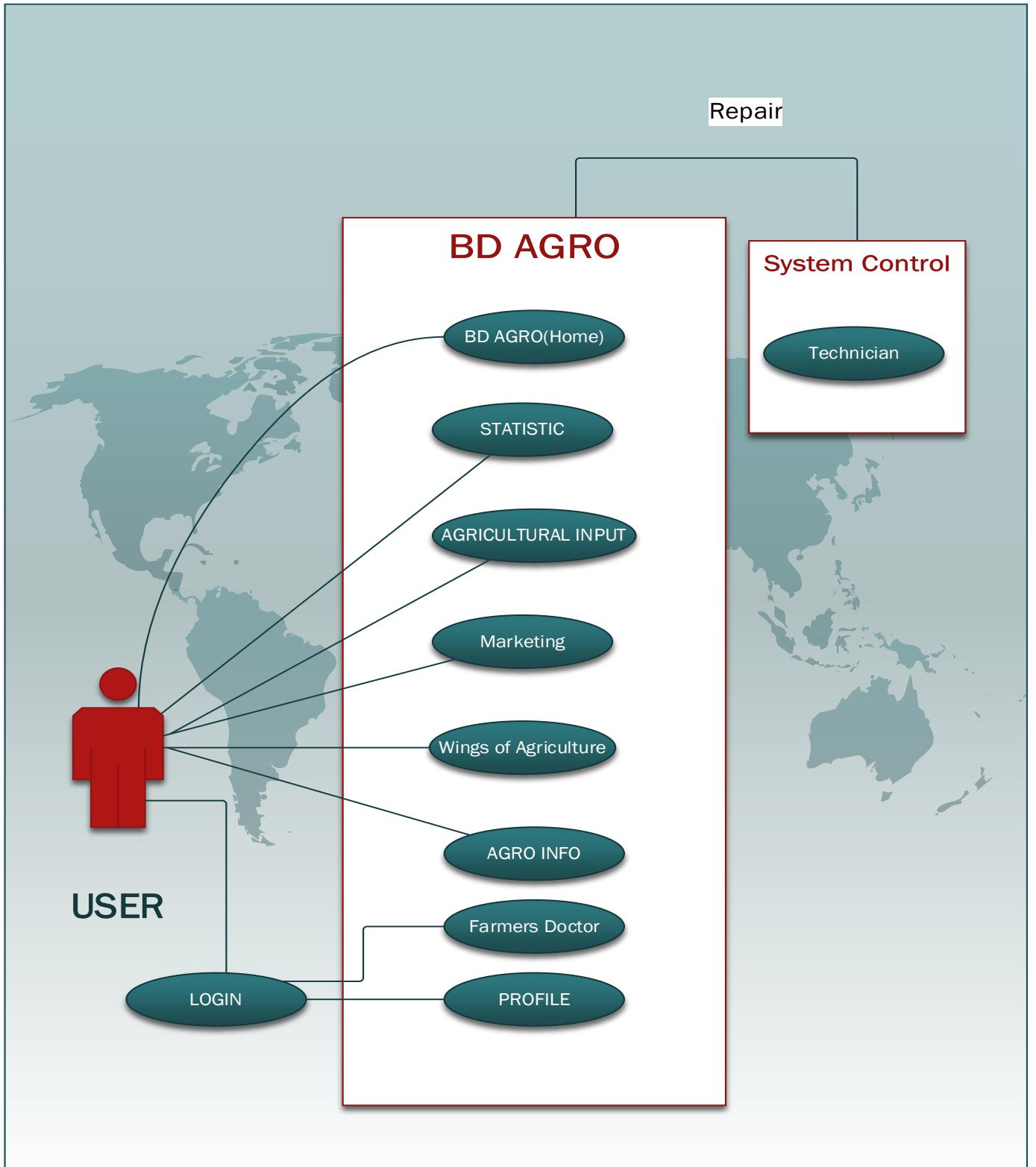
8. There will be Agricultural news and Update in the Application so the user can get the updated news of the current situation.

**User authentication:** Since our app deal with sensitive information about the client's information, a thorough authentication procedure should be followed.

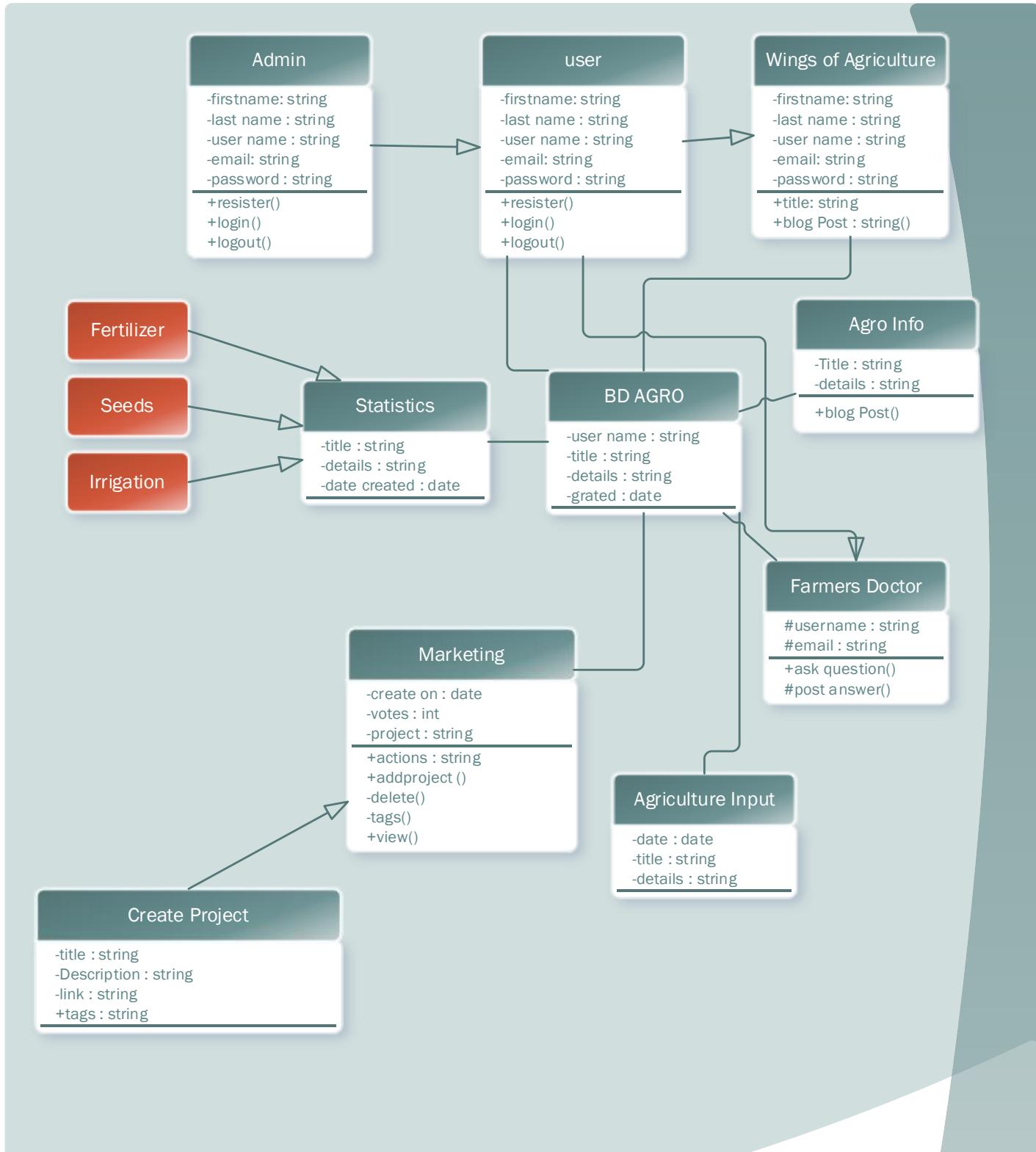
**Research Feed:** If any fresher and user want to post something about there thesis, research paper or anything what related about agriculture they can post from this section.

**Technologies:** HTML, CSS, Bootstrap, Database, Python, Django.

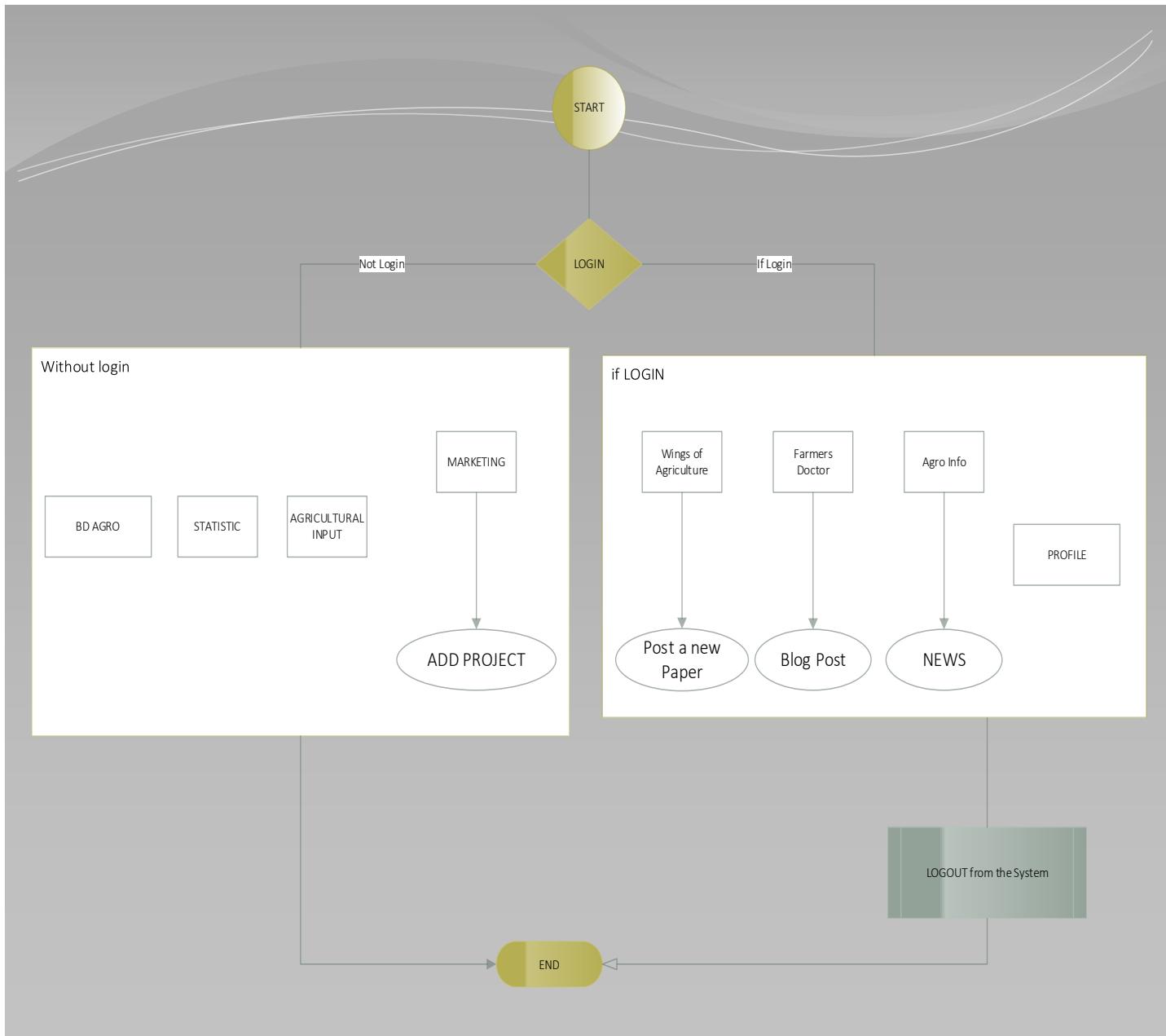
### UML Use Case Diagram:



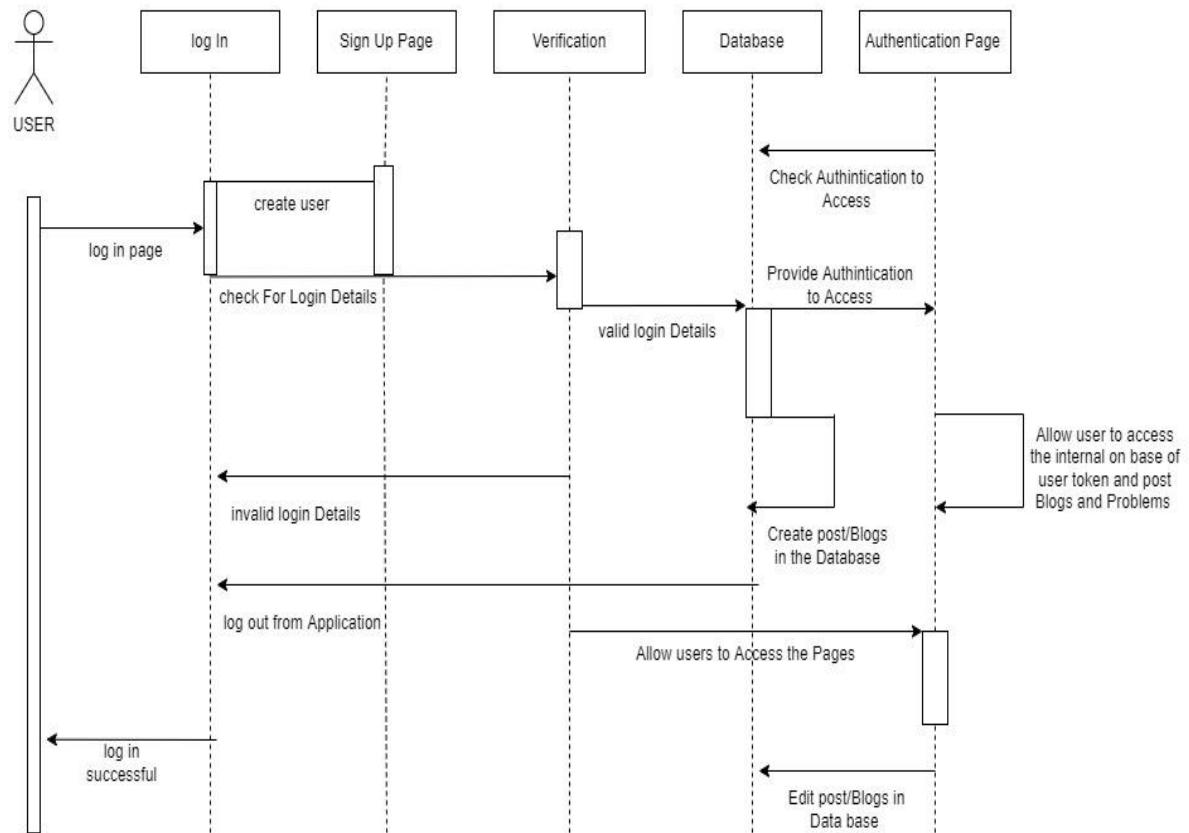
## UML Class Diagram:



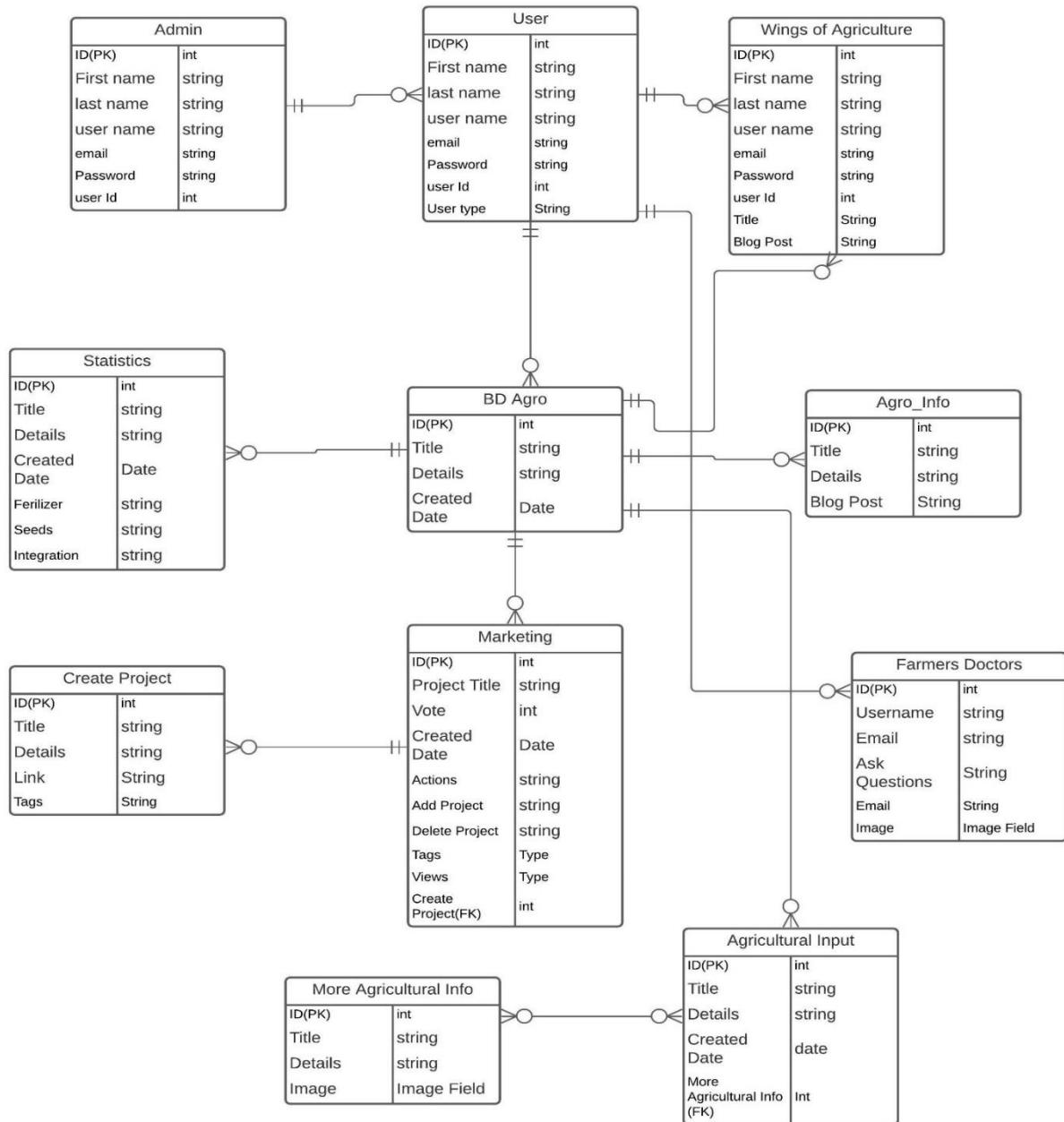
## Activity Diagram:



## Sequence Diagram:

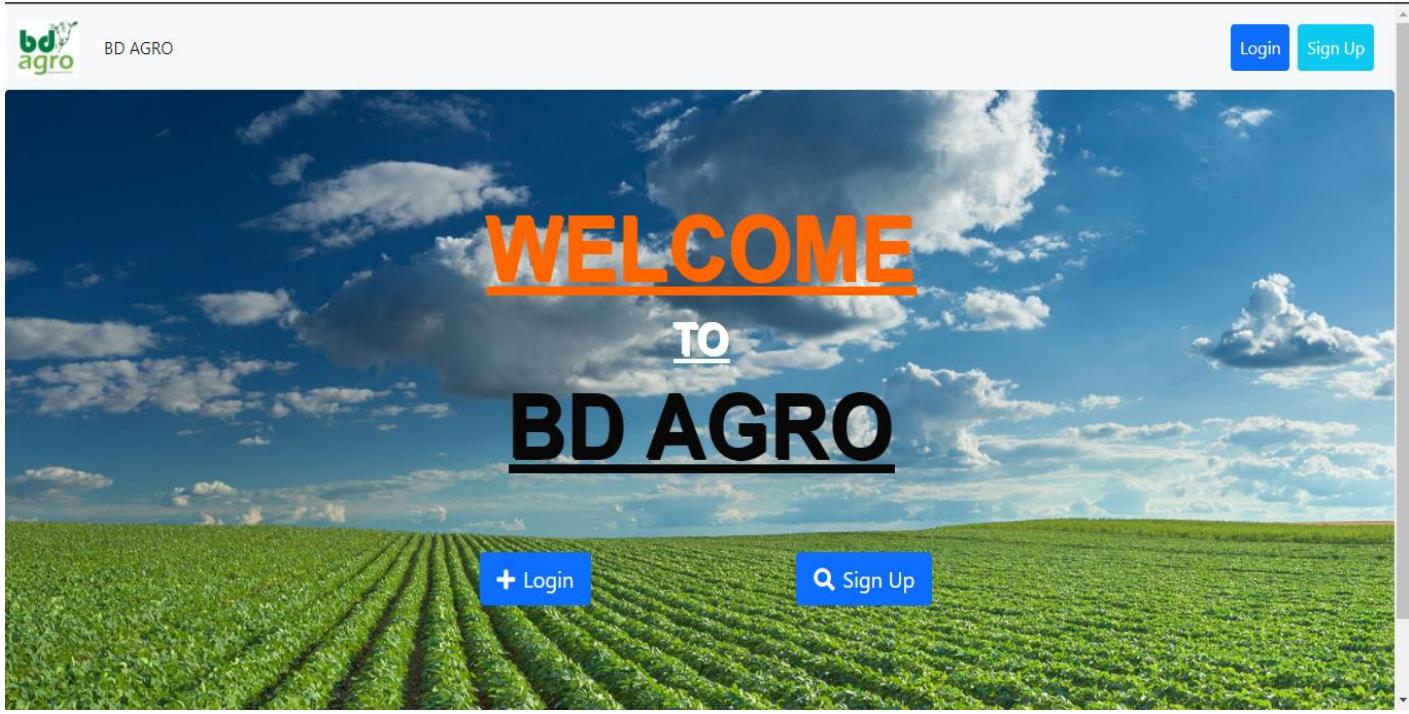


## ER diagram:



## GUI of BD AGRO:

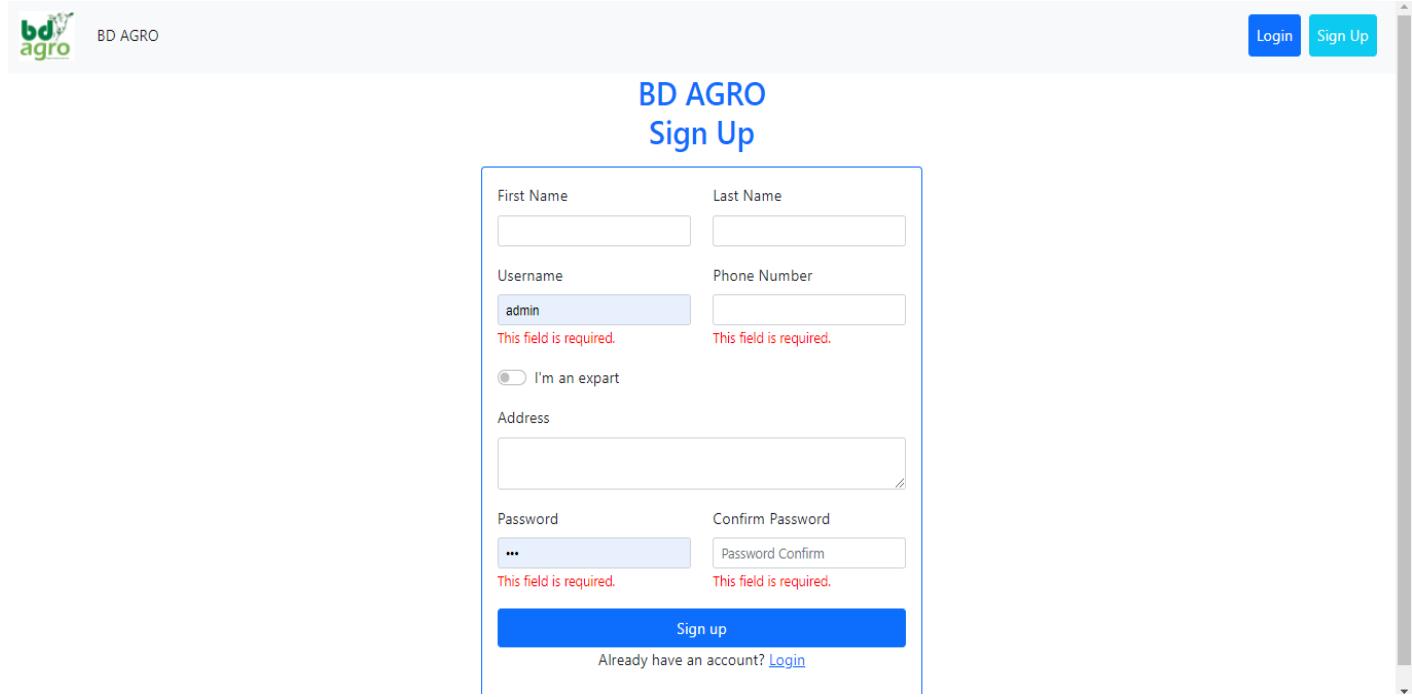
### BD AGRO Home Page :



### Login :

The image shows the login page for BD AGRO. At the top left is the BD AGRO logo. At the top right are 'Login' and 'Sign Up' buttons. The main title 'BD AGRO Login' is centered above a form. The form contains two input fields: 'Username' (with 'admin' typed in) and 'Password' (with '...' typed in). Below the password field is a 'Login' button. Underneath the button is the text 'Don't have an account? [Sign Up](#)'.

## Sign Up Page :



The screenshot shows the BD AGRO sign-up page. At the top left is the BD AGRO logo. At the top right are 'Login' and 'Sign Up' buttons. The main title 'BD AGRO Sign Up' is centered above a form. The form fields include 'First Name' and 'Last Name' (both empty), 'Username' (containing 'admin', which is highlighted in light blue) and 'Phone Number' (empty), both with red validation messages 'This field is required.'. There is a checkbox labeled 'I'm an expert' (unchecked). An 'Address' field is empty. Below these are 'Password' and 'Confirm Password' fields, both containing three dots ('...'), with red validation messages 'This field is required.' for both. A large blue 'Sign up' button is at the bottom, and a link 'Already have an account? [Login](#)' is below it.

First Name      Last Name

Username      Phone Number

admin      This field is required.      This field is required.

I'm an expert

Address

Password      Confirm Password

...

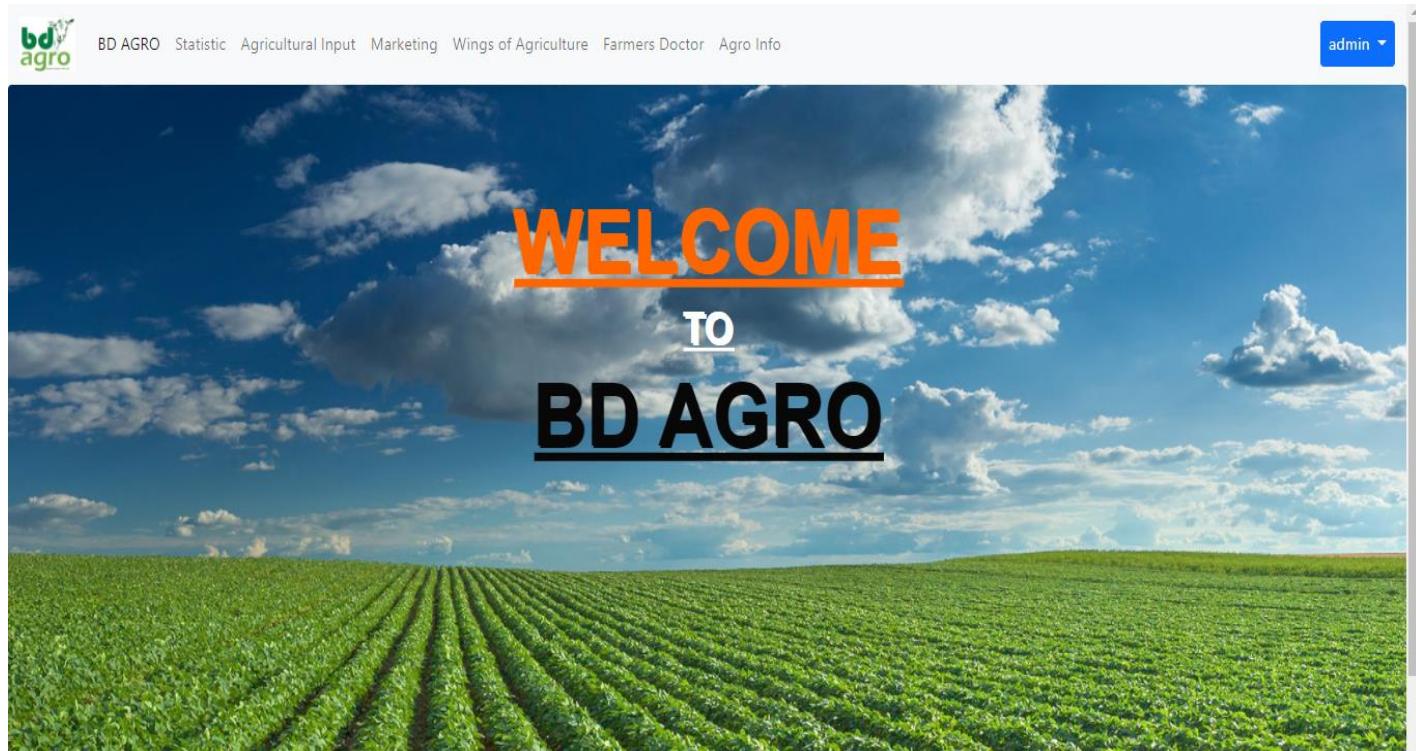
...      Password Confirm

This field is required.      This field is required.

[Sign up](#)

Already have an account? [Login](#)

## After Login :



## STATISTIC Page :

The screenshot shows a web page titled "Implementation of the Global Strategy in Bangladesh" under "Yearly Statistics of Agriculture". A dropdown menu at the top right shows "admin". The main content includes a "Select Year" button and sections for "Bangladesh" and "Challenges".

**Bangladesh**

- 48.4% employed in agriculture
- 70.1% land area devoted to agriculture
- 17.5% share of agriculture in GDP

**Challenges**

Close to 50 percent of Bangladesh's population is primarily employed in agriculture, with more than 70 percent of its land dedicated to growing crops. Major crops cultivated include rice, jute, wheat, tea, pulses, oil-seeds, vegetables and fruits. Yet despite agriculture contributing to such a large percentage of Bangladesh's overall economy, it has remained largely subsistence based, with uncertain crop yields and inefficient infrastructure limiting the ability of farmers to fully commercialize their production. Recognizing this environment, an In-depth Country Assessment, conducted as part of the Global Strategy to Improve Agricultural and Rural Statistics, concluded that the Bangladesh Bureau of Statistics needs to improve internal and external coordination with statistics producers and users. A plan focused specifically on agriculture is needed to complement and supplement national strategies for the development of statistics. Data gaps in several core areas already being studied such as food balance sheets, livestock and agri-environmental indicators need to be filled to produce

The screenshot shows a section of the page with a "Select Year" button and two options: "Till The Last(2020)" and "Upcoming 2021". Below this, there are sections for "Agriculture" and "GDP".

SELECT YEAR TO GET STATIC :

Select Year

Till The Last(2020)

Upcoming 2021

Agriculture

GDP

## STATISTIC TILL 2020 GDP :



BD AGRO Statistic Agricultural Input Marketing Wings of Agriculture Farmers Doctor Agro Info

admin ▾

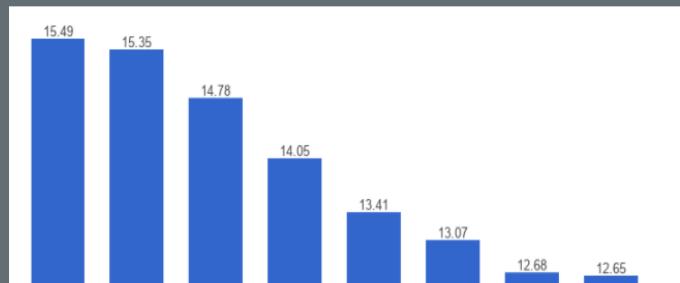
### Bangladesh: GDP share of agriculture

(measure: percent; Source: The World Bank)

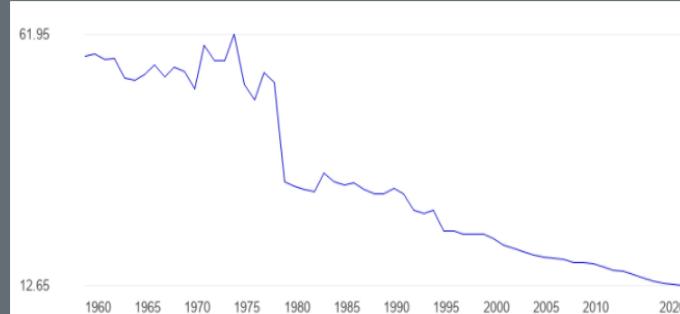
#### Bangladesh: Value added in the agricultural sector as percent of GDP, 1960 - 2020:

For that indicator, we provide data for Bangladesh from 1960 to 2020. The average value for Bangladesh during that period was 33.52 percent with a minimum of 12.65 percent in 2020 and a maximum of 61.95 percent in 1975. The latest value from 2020 is 12.65 percent. For comparison, the world average in 2020 based on 146 countries is 10.81 percent. See the [global rankings](#) for that indicator or use the [country comparator](#) to compare trends over time.

#### Recent values



#### Longer historical series



The importance of agriculture in the economy of Bangladesh and other countries is measured as the value added of the agricultural sector as percent of GDP. Agriculture includes forestry, hunting, and fishing, as well as the cultivation of crops and livestock production.

Definition: Agriculture corresponds to ISIC divisions 1-5 and includes forestry, hunting, and fishing, as well as cultivation of crops and livestock production. Value added is the net output of a sector after adding up all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. The origin of value added is determined by the International Standard Industrial Classification (ISIC), revision 3. Note: For VAB countries, gross value added at factor cost is used as the denominator.

## STATISTIC 2021 GDP :



BD AGRO Statistic Agricultural Input Marketing Wings of Agriculture Farmers Doctor Agro Info

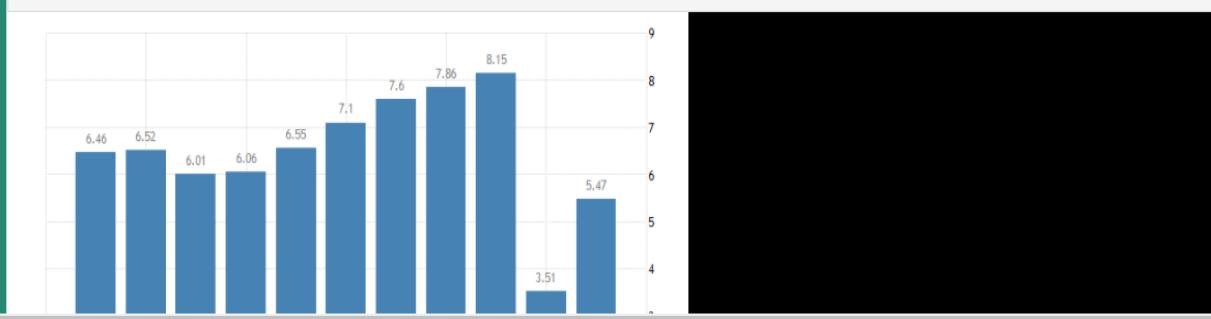
admin ▾

### World Bank increases Bangladesh's GDP growth forecast

#### WB says GDP is expected to grow by 6.4% instead of its previous forecast of 5.1%

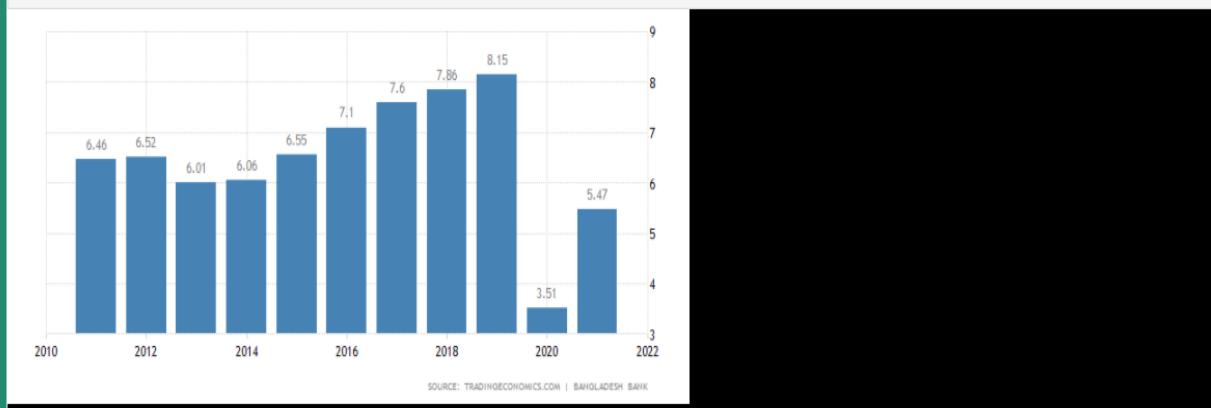
Bangladesh's gross domestic product (GDP) is expected to grow by 6.4% in the 2021-22 fiscal year (FY), says the World Bank, revising it up by 1.3 percentage points from its previous forecast. The multilateral lending agency said in June that GDP would grow by 5.1% in the current fiscal. "Bangladesh's growth rates would pick up to 6.4% in the 2021-22 FY as exports and consumption continue to improve. The government, however, has set a 7.2% growth target for the current fiscal year," it said on Thursday in the latest update of the World Bank's South Asia Economic Focus, titled "Shifting Gears: Digitization and Services-Led Development". "The forecast is based on the lower base, meaning that the projection for 2020-21 was also lower. "In the first three months of the current 2021-22 FY, export earnings have increased and the economy is recovering from the loss of the second wave of the pandemic," said Professor Mustafizur Rahman, distinguished fellow of the Center for Policy Dialogue (CPD).

#### 2021 GDP CHART :



South Asia Economic Focus, titled "Shifting Gears: Digitization and Services-Led Development". "The forecast is based on the lower base, meaning that the projection for 2020-21 was also lower. "In the first three months of the current 2021-22 FY, export earnings have increased and the economy is recovering from the loss of the second wave of the pandemic," said Professor Mustafizur Rahman, distinguished fellow of the Center for Policy Dialogue (CPD).

#### 2021 GDP CHART :



Related	Last	Previous	Unit	Reference
<a href="#">GDP Growth Rate</a>	5.47	3.51	percent	Dec/21
<a href="#">GDP Annual Growth Rate</a>	5.47	3.51	percent	Dec/21

## Profile Of User :

BD AGRO Statistic Agricultural Input Marketing Wings of Agriculture Farmers Doctor Agro Info

admin

## PROFILE



Sazzad Hossen

**Username:** admin

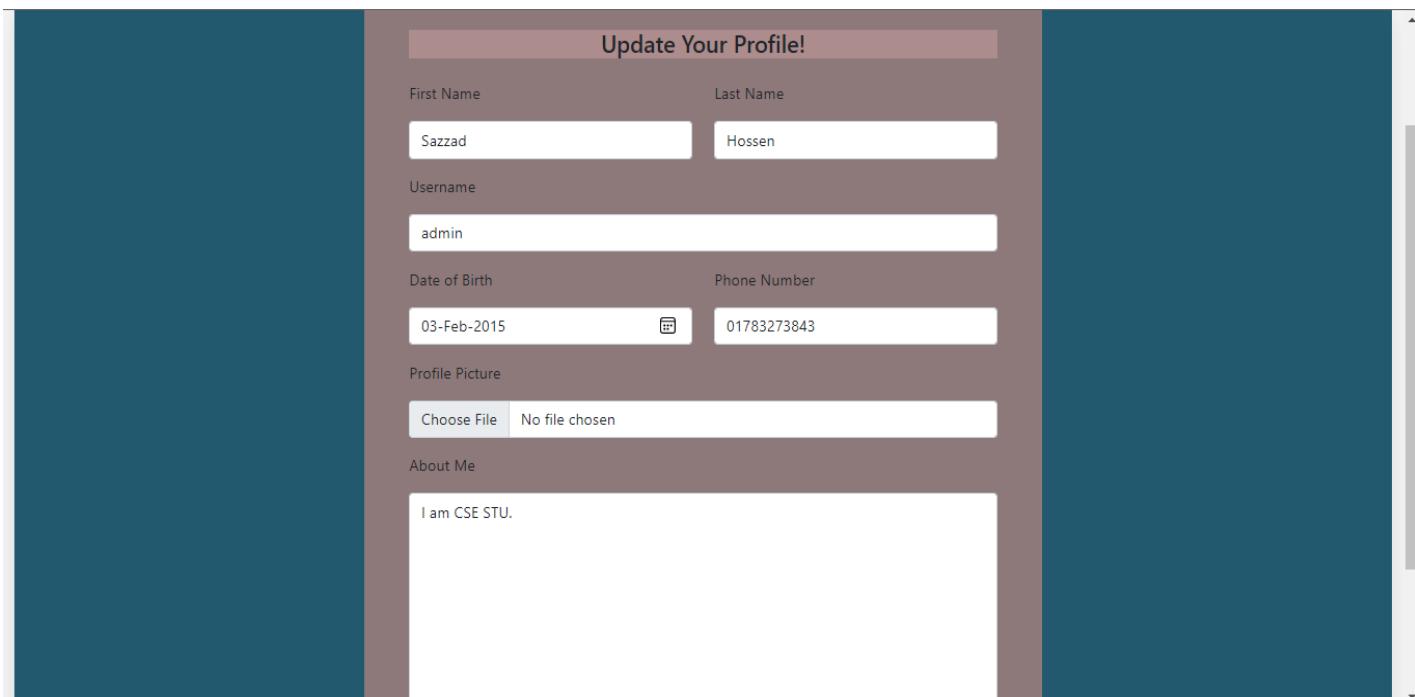
**Bio:** I am CSE STU.

**Phone Number:** 01783273843

**Date of Birth:** Feb. 3, 2015

**Update Profile**

## Update Profile :



### Update Your Profile!

First Name  Last Name

Username

Date of Birth  Phone Number

Profile Picture

About Me

## AGRO INFO

### Proven Business Strategies is Explained with References

The screenshot shows a website header with the BD AGRO logo and navigation links for Statistic, Agricultural Input, Marketing, Wings of Agriculture, Farmers Doctor, and Agro Info. On the right, there's an 'admin' dropdown. The main content area has a green header 'Why Are Agricultural Inputs Important?' with a 'More Fertilizer Info →' button. Below it is a detailed paragraph about the importance of agricultural inputs like seeds, fertilizers, and machinery. A smaller text below discusses the potential of agricultural inputs in Bangladesh. A section titled 'Let us now look at the important crucial points for supply and crop marketing services in Bangladesh.:' follows, with a list of features for input decentralization.

**Why Are Agricultural Inputs Important?**

The backbone of any agricultural revolution is access of farmers to modern agricultural inputs. These agricultural inputs range from improved seeds, fertilizers and crop protection chemicals to machinery, irrigation and knowledge. Seeds are critical to successful crop production and inevitably, farm productivity and profitability. Fertilizer supplies nutrients to the soil that are essential for growth. Increased use of fertilizer and improved seeds are partially credited with the large increases in agricultural productivity growth in Asia during the Green Revolution in the 1960s. Irrigation is also essential for growth as it enables off-season farming, provides the potential for multiple harvests per year, and brings additional land under cultivation. Crop protection chemicals (pesticides, herbicides, insecticides and fungicides) control weed species, harmful insects and plant diseases that afflict crops. Finally, technical knowledge and machinery enhance human labor effectiveness and increase farm productivity.

Applied with the ultimate goal of maximising agricultural productivity, agricultural inputs definitely have a huge potential to scale-up and unlock agricultural productivity in Bangladesh, most especially at such a crucial time in the development of the nation's agriculture landscape.

**Let us now look at the important crucial points for supply and crop marketing services in Bangladesh.:**

The particular features of input, equipment and crop marketing services that need to be considered in deciding what forms of, and approaches to, decentralization are as follows:

- Marketing Nature in Bangladesh
- Factors affecting demand and supply
- Seeds and planting materials
- Machinery and equipment supply
- Crucial role of appropriate fertilizer

## Marketing Nature

Agricultural sector plays a vital role in the overall economic performance of Bangladesh in terms of its contribution to GDP, employment generation, and food security (Alam 2011). Moreover, the livelihoods of the majority of the population in Bangladesh are dependent on agriculture. Thus, the economic development planning of this country is determined by the productivity, growth, and efficiency of the agricultural sector. Any damages in this sector broadly impact the wellbeing of most of the people of this country (Islam 2010). The production of rice in terms of cropped area and stock contributes to the lion share of the agricultural output in Bangladesh. About 74.4 % of the total cropped area is used for rice production, where about 3 % for wheat.

The development of agricultural marketing depends on market intelligence and proper enforcement with relevant rules and regulations. Therefore, marketing resource is interlinked with costs and profitability. The export of horticultural crops from Bangladesh is still very insignificant. Practical feasibility studies should be undertaken to ascertain if Bangladesh can compete favourably with other exporting countries for fresh vegetables and fruits in the supermarkets of the developed countries in respect of quality products and regularly in supply. High cost and shortage of available air-cargo space are also impeding export. The high-end market for a perishable item has not yet fully developed (Singha & Maezawa 2019, Alam 2010, Hossain & Hossain 2013, Islam & Ahsan 2009). It is still in a growing stage in Bangladesh, mainly because the demand is still minimal. If the overall marketing is improved, it will serve the interests of the supermarkets and the customers.

## Factors affecting demand and supply

Supply and demand are the two fundamental components of a market. Supply describes how producers and manufacturers, large or small, react or behave in the marketplace when producing and selling a product. An understanding of how factors affected supply situations in the past will help farm managers understand possible supply prospects in the future.

### Supply Influences:

Factors crucial in influencing supply actions of producers include:

**The price of the product being supplied:** When Supply of crops increases Demands are fulfilled, hence, demand decreases according to market equilibrium. [Reference is cited here.](#)

1. The price of the product being supplied
2. The number of firms producing the product
3. Technological advances

the future.

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Factors crucial in influencing supply actions of producers include:

**The price of the product being supplied:** When Supply of crops increases Demands are fulfilled, hence, demand decreases according to market equilibrium. [Reference is cited here](#)

1. The price of the product being supplied
2. The number of firms producing the product
3. Technological advances
4. The price of inputs
5. The price of other or alternative products that could be produced
6. Unpredictable events such as the weather

Similarly, factors affecting demand are as follows:

1. The amount of the product being purchased
2. The consumers income
3. Technological advances
4. Taste and preferences of Consumers
5. Consumers Expectation
6. Number of consumers in the market

## Seeds and planting materials

### Seeds and planting materials

According to [Bangladesh Seed Industry News](#):

Bangladesh constitutes the larger part of one of the Vavilovian Mega Centre of Genetic Diversity i.e. Bangladesh is remarkably rich in genetic variability of field crops, fruits, nuts and forest species. It is also the secondary centre of origin of many important vegetables and fruits. People here have lived for millennia on naturally endowed genetic diversity of these plant species, and very little of the diversity has yet been exploited scientifically to the benefit of the people. This provides the scope for utilization of these yet untapped genetic resources, not only for the benefit of the people in the country but also around the globe. Much of the future agricultural cum economic development lies hidden in these untapped resources

For an efficient utilization and exploitation of these resources and opportunities, a sound national programme on plant genetic resources is not only desirable but essential. This warrants a national commitment at the highest level and promotion of greater collaborations both at the regional and the global level. To satisfy the country's needs will increase agricultural input and, therefore, will increase annual sales.

## Machinery and Equipment Supply

Bangladesh has produced a remarkable progress in producing cereal grains (rice, wheat and maize) and to some extent, vegetables (tomato, cauliflower, cabbage, egg plants, beans etc.) by introducing farm mechanization. Mechanization in the country started with the pumping of water for irrigation. Introduction of high yielding variety of rice triggered the rapid expansion of irrigated area (about 61% of cultivable area). Though, mostly the existing conveyance and distribution systems are traditional earthen channels, some organizations like Barind Multipurpose Development Authority (BMDA), Bangladesh Agricultural Development Corporation (BADC), Bangladesh Water Development Board (BWDB), Local Government and Engineering Department (LGED), Bangladesh Academy for Rural Development (BARD) are trying to improve the existing water distribution systems. The BMDA, BADC and BARD have installed a number of buried pipe water distribution systems, mainly, under the management of agricultural engineers. The BADC and LGED have constructed rubber dams to trap river water for irrigation. The most successful mission has been accomplished by BMDA. This organization is working in the Barind Area of Rajshahi and Dinajpur Region. These areas have erratic climatic conditions and are mostly very dry compared to rest part of the country.

In many areas of Rajbari, Faridpur, Magura, Rajshahi and Dinajpur districts, the farmers are using tilling and seeding machinery extensively. Some large farmers have purchased high speed rotary tillers and power tiller operated seeders and using them commercially among other farmers. From field visits to Rajbari and Dinajpur, it was learnt that the farmers who have purchased agricultural machinery have shifted from subsistence agriculture to commercial agriculture using the machines. It was informed that using a high speed rotary tiller a farmer got the capital (US\$ 1200.00) returned he afforded for the machine only in one season using it on hiring basis. The high speed rotary tillers consist of 10-12 tines, the cost is US\$ 1200.00 and the hire rate is US\$ 500.00 per day. The high speed power tiller consists of 10-12 tines, the cost is US\$ 1200.00 and the hire rate is US\$ 600.00 per day. The high speed seeders consist of 10-12 tines, the cost is US\$ 1200.00 and the hire rate is US\$ 600.00 per day.

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### Priority areas of technical cooperation:

#### Skill development of researchers:

Development of skill and knowledge of the researchers working for the improvement of agricultural machinery is of immense importance. This can be achieved through training and visit to countries having updated technologies. Such training and visit will enable them to work with improved skills and adequate confidence.

#### Capacity building of manufacturers:

Most of the small and medium sized metal workshops are doing reverse engineering and manufacturing spare parts of agricultural machinery. Also 15 medium and large manufacturers are producing machines developed within the country. These 12 manufacturers are engaged in fabrication of agricultural machinery (Farouk et al., 2007). In many cases these workshops do not have requisite precision machines and thus, the workmanship and quality are often sub-standard. The technicians involved in agro machinery have very little knowledge on quality except what they had acquired engineering knowledge and skill through apprenticeship at different engineering workshops. Therefore, regarding design, drawing and quality control, they have very limited perception and not aware of the performance of their products except a few entrepreneurs who are solely manufacturing agricultural machines as per design and trying to improve the quality standard.

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## Crucial role of appropriate fertilizer

With the global population steadily growing, it is important that enough crops are produced each year to provide food, clothing and other agricultural products to people around the world. Crops such as corn, wheat and cotton receive nutrients from the soil they are grown in; various crops deplete soil nutrients in different ways and rates. Some crop growth can deplete soil nutrients after just a few seasons of planting. Fertilizers play an important role in providing crops with the nutrients they need to grow and be harvested for nutritious food.

Fertilizers help deliver enough food to feed the world's population. But they can do even more. A class of fertilizers called micronutrient fertilizers is engineered to enrich crops with vital nutrients that help support human health. For example, micronutrients such as zinc are important to human nutrition, especially children. According to a United Nations study, much of the world's grain crops are grown in soil without adequate zinc; offering micronutrient fertilizers to grain crops enriches the grain with an important nutrient.

## Safety Information

Fertilizers are essential to the security of the world's food supply, and they must be used properly. The manufacture, sale and transportation of fertilizers is heavily regulated. States have different regulations and statutes that address fertilizer use and production to protect human health and the environment. In addition to individual state regulations, the federal government also regulates fertilizer production, use and transport. Fertilizer producers are required to participate in the U.S. Occupational Safety and Health Administration's (OSHA) Process Safety Management Regulation to protect worker safety. In addition to OSHA, the U.S. Department of Agriculture, Environmental Protection Agency, Department of Homeland Security and Department of Transportation all play roles in regulating fertilizers and their production.

Ammonium nitrate, a good source of nitrogen and ammonium for plants, is an important ingredient in the production of high quality, effective fertilizers. Ammonium nitrate is produced using anhydrous ammonia, a gas that can become explosive when mixed with air. While this fertilizer is applied safely every day, this feature also means that it can be dangerous in the wrong hands. Fertilizer producers take great care in the safe use and storage of anhydrous ammonia and have implemented safety measures to help prevent or mitigate an incident

**More Fertilizer Info:**  
**Animated Page Using Hover Effects**

More Fertilizer Info are listed below

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More Fertilizer Info are listed below

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**Micronutrient fertilizers**

A large number of special fertilizers are available to supply plants with important micronutrients such as iron, manganese,

More Fertilizer Info are listed below

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### Potassium Fertilizer

Potassium is also available in a range of fertilizers which contain potassium only or two or more nutrients and include



More Fertilizer Info are listed below

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### Phosphorous Fertilizer

The most common phosphate fertilizers are single superphosphate (SSP), triple superphosphate (TSP), monoammonium



More Fertilizer Info are listed below

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## Nitrogen Fertilizer

The main products are nitrate-based fertilizers such as ammonium nitrate (AN) and calcium ammonium nitrate (CAN), which are



## Marketing

### Create Project



BD AGRO Statistic Agricultural Input Marketing Wings of Agriculture Farmers Doctor Agro Info

admin

Welcome to Our Insecticides Information Page

[Add Project](#)

## Insecticides Lists

Project	Positive Votes	Votes	Create On	Actions		
Insecticides for potatoes	90	5%	Jan. 7, 2022, 7:26 p.m.	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">View</a>
Insecticide for rice	65	92%	Jan. 8, 2022, 12:07 a.m.	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">View</a>
Insecticide for corn	20	96%	Jan. 8, 2022, 12:16 a.m.	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">View</a>
Insecticides for indoor plants	96	85%	Jan. 8, 2022, 12:17 a.m.	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">View</a>
Insecticides for sunflower	25	96%	Jan. 8, 2022, 12:18 a.m.	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">View</a>
Insecticide for wheats	15	85%	Jan. 8, 2022, 12:58 p.m.	<a href="#">Edit</a>	<a href="#">Delete</a>	<a href="#">View</a>

## Create an Insecticides Information Form here

Project Title

Insecticides Description

Project Demo Link

Project Source Link

Insecticides Components Tags

Aldrin  
Chlordane

Project Title

Insecticides Description

Project Demo Link

Project Source Link

Insecticides Components Tags

Aldrin  
Chlordane  
DDT  
Dieldrin

Submit

## Edit the Page

### Create an Insecticides Information Form here

Project Title

Insecticides for potatoes

Insecticides Description

The synthetic contact insecticides are now the primary agents of insect control. In general they penetrate insects readily and are toxic to a wide range of species. The main synthetic groups are the chlorinated hydrocarbons, organic phosphates (organophosphates), and carbamates.

Project Demo Link

link

Project Source Link

ewveve

Insecticides Components Tags

Aldrin  
Chlordane

## Delete the page



BD AGRO Statistic Agricultural Input Marketing Wings of Agriculture Farmers Doctor Agro Info

admin ▾

Are you sure you want to delete "Insecticides for potatoes"?

Go Back

Confirm

## [View the Created page](#)



BD AGRO Statistic Agricultural Input Marketing Wings of Agriculture Farmers Doctor Agro Info

admin

# Insecticides for potatoes

The tags for the projects are as follows

Aldrin Chlordane DDT

## The description for the project

The synthetic contact insecticides are now the primary agents of insect control. In general they penetrate insects readily and are toxic to a wide range of species. The main synthetic groups are the chlorinated hydrocarbons, organic phosphates (organophosphates), and carbamates.

## WINGS OF AGRICULTURE :

This is our research page , only an Expert Author can post his/her research on this page.Normal user can only view this page. User can not edit or delete any paper from this page.

## User View :

The screenshot shows a web browser window with the URL <http://127.0.0.1:8000/wings/>. The page title is "Wings of Agriculture". A search bar is at the top. Below it is a large image of a soybean field under a blue sky. The author is listed as "Expert 01 None". The main headline is "SOUTHERN BRAZIL CONTINUES TO ENDURE TOUGHEST SOYBEAN GROWING CONDITIONS". The text below the headline discusses the weather forecast for South America, mentioning drier conditions in southern Brazil and Argentina, while Central and Southeast Brazil are expected to be wetter. The date of the post is 07 Jan. 2022.

Author: [Expert 01 None](#)

**SOUTHERN BRAZIL CONTINUES TO ENDURE TOUGHEST SOYBEAN GROWING CONDITIONS**

The weather forecast for South America is starting to sound like a broken record. Much of the same is expected across Brazil and Argentina as seen the past several weeks: drier across southern Brazil and growing regions of Argentina, but wetter across Central and Southeast Brazil. The weather pattern continues much the same as the past few weeks across South

## Expert view :

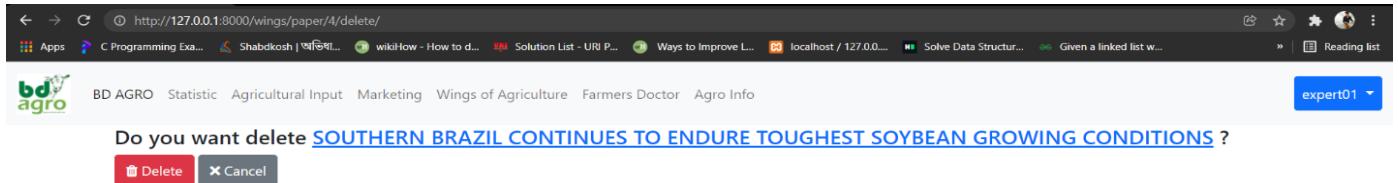
The screenshot shows a web browser window with the URL <http://127.0.0.1:8000/wings/>. The page title is "Wings of Agriculture". A search bar is at the top. Below it is a large image of a soybean field under a cloudy sky. To the right of the image is a blue button labeled "Post a New Paper". Below the image, the author is listed as "Expert 01 None". The main headline is "SOUTHERN BRAZIL CONTINUES TO ENDURE TOUGHEST SOYBEAN GROWING CONDITIONS".

## Edit page :

The screenshot shows a web browser window with the URL <http://127.0.0.1:8000/wings/paper/4/edit>. The page title is "Update Paper". There are three input fields: "Paper Title" containing "SOUTHERN BRAZIL CONTINUES TO ENDURE TOUGHEST SOYBEAN GROWING CONDITIONS", "Image" with a "Choose File" button and a placeholder "No file chosen", and "Paper Content" which contains two paragraphs of text about soybean growing conditions in South America.

[Update Paper](#)

## Delete page :



## Farmer's Doctor

Here is the feature where a normal user can post his/her crop problem with His/her Name, Location, Phone number as Description and post His/her problem there. They can edit and Delete the post they have posted. On the posted Blog An Expert can Give his solution by commenting on the Blog post to let the user know the crops problems

## User view :

A screenshot of a web browser window showing a blog post titled "Farmers' Doctor". The post features a large image of a plant leaf with brown spots and a yellow halo. Below the image is the title "Brown leaf spot with yellow halo". The post is attributed to "Author: user444 None" and "Name : Abdul Haque Location : Golap Gram Phone Number : 01723456789 Need Help !". There is a blue "Post a New Problem" button in the top right corner. A "Read More" button is visible at the bottom left. The browser's header includes various links like "BD AGRO", "Statistic", "Agricultural Input", etc., and a user profile "user444".

← → C http://127.0.0.1:8000/blog/post/3/

Apps C Programming Exa... Shabdosh | শব্দশো... wikiHow - How to d... Solution List - URI P... Ways to Improve L... localhost / 127.0.0... Solve Data Structur... Given a linked list w...

BD AGRO Statistic Agricultural Input Marketing Wings of Agriculture Farmers Doctor Agro Info user444

## Farmers' Doctor



Posted on: 07 Jan. 2022 By: [User444 None](#)

[Edit Post](#) [Delete Post](#)

← → C http://127.0.0.1:8000/blog/post/3/

Apps C Programming Exa... Shabdosh | শব্দশো... wikiHow - How to d... Solution List - URI P... Ways to Improve L... localhost / 127.0.0... Solve Data Structur... Given a linked list w...



Posted on: 07 Jan. 2022 By: [User444 None](#)

[Edit Post](#) [Delete Post](#)

### Brown leaf spot with yellow halo

Name : Abdul Haque Location : Golap Gram Phone Number :01723456789 Need Help !

Post Comments( 4 )

**expert01** 19 hours, 58 minutes  
None – the viruses themselves can't be seen

**expert02** 19 hours, 46 minutes  
Water-soaked lesions

**expert01** 19 hours, 9 minutes  
Answer : 1.Water in the evening or early morning hours (avoid overhead irrigation) to give the leaves time to dry out before infection can occur 2. Rake under trees and destroy infected leaves to reduce the number of fungal spores available to start the disease cycle over again next spring.

**expert01** 18 hours, 27 minutes  
answer: keeping it away from the trunk, to cover soil and prevent splash dispersal of the fungal spores

## Edit and Update Page:

The screenshot shows a web browser window with the URL <http://127.0.0.1:8000/blog/post/3/edit/>. The page title is "Update Problem". The form fields include:

- Post Title:** Brown leaf spot with yellow halo
- Image Currently:** [12-19stripurstJLM\\_mhAhlyT.jpg](#)
- Change:** Choose File (No file chosen)
- Post Content:**

Name : Abdul Haque  
Location : Golap Gram  
Phone Number : 01723456789
- Need Help !**

At the bottom right is a blue "Update Problem" button.

## Delete Page :

The screenshot shows a web browser window with the URL <http://127.0.0.1:8000/blog/post/3/delete/>. The page displays a confirmation message:

Do you want delete [Brown leaf spot with yellow halo](#) ?

With two buttons at the bottom:

- Delete** (Red button)
- Cancel** (Grey button)

## Expert Comments :

The screenshot shows a web browser window with the URL <http://127.0.0.1:8000/blog/post/3/>. The page displays a blog post with four comments from experts. The comments are as follows:

- expert01** 20 hours  
None – the viruses themselves can't be seen
- expert02** 19 hours, 47 minutes  
Water-soaked lesions
- expert01** 19 hours, 10 minutes  
Answer : 1..Water in the evening or early morning hours (avoid overhead irrigation) to give the leaves time to dry out before infection can occur 2. Rake under trees and destroy infected leaves to reduce the number of fungal spores available to start the disease cycle over again next spring.
- expert01** 18 hours, 28 minutes  
answer: keeping it away from the trunk, to cover soil and prevent splash dispersal of the fungal spores

A comment input field is visible with the placeholder "Answer: Don't keep them dry for too long." and a "Submit Comment" button.

The screenshot shows a web browser window with the URL <http://127.0.0.1:8000/blog/post/3/>. The page displays a blog post with four comments from experts. The comments are as follows:

- expert01** 20 hours  
None – the viruses themselves can't be seen
- expert02** 19 hours, 48 minutes  
Water-soaked lesions
- expert01** 19 hours, 11 minutes  
Answer : 1..Water in the evening or early morning hours (avoid overhead irrigation) to give the leaves time to dry out before infection can occur 2. Rake under trees and destroy infected leaves to reduce the number of fungal spores available to start the disease cycle over again next spring.
- expert01** 18 hours, 29 minutes  
answer: keeping it away from the trunk, to cover soil and prevent splash dispersal of the fungal spores

A comment input field is visible with the placeholder "Answer: Don't keep them dry for too long." and a "Submit Comment" button.

## Agriculture News

Here is the news part of our application where users and expert can view news about agriculture from all round the world. No user or Expert can edit any news from this page only admin can post news here and edit and delete post.

view:

http://127.0.0.1:8000/news/

BD AGRO Statistic Agricultural Input Marketing Wings of Agriculture Farmers Doctor Agro Info expert01

## Agriculture News

Search



**WHAT ARE FARMERS DOING TO OVERCOME HIGH FERTILIZER PRICES**

FIVE FARMERS FROM ACROSS THE COUNTRY BREAK DOWN THEIR APPROACH TO FERTILITY IN THE UPCOMING SEASON

Posted on: 01 Jan. 2022

http://127.0.0.1:8000/news/3/

BD AGRO Statistic Agricultural Input Marketing Wings of Agriculture Farmers Doctor Agro Info expert01

## Agriculture News



**NORTHERN SOIL COMPACTION CONFERENCE SET FOR JANUARY 26-27**

Posted on: 07 Jan. 2022

For producers looking to maximize crop productivity, managing soil compaction is a key component to operation planning. The University of Minnesota (U of M) Extension Northern Soil Compaction Conference will connect producers with soil compaction experts and technical advice to increase yields and profit. The virtual conference is set to be held January 26 and 27.

admin page:

The screenshot shows the Django admin interface at the URL [http://127.0.0.1:8000/admin/info\\_app/infomodel/](http://127.0.0.1:8000/admin/info_app/infomodel/). The left sidebar navigation includes 'AUTHENTICATION AND AUTHORIZATION' (Groups), 'BDAGRO' (Projects, Reviews, Tags), 'BLOG' (Comment models), 'INFO\_APP' (Info models), 'USER' (Users), and 'WINGS\_APP' (Paper models). The main content area is titled 'Select info model to change' and lists 12 items under the 'INFO MODEL' category. The items are: 'Historic Garst Farms easements accepted by Whiterock Conservancy', 'FARMERS FINISH 2021 CLIMATE-SMART AND CONSERVATION-MINDED', 'BECK'S TO BUY 150-ACRE FACILITY IN EASTERN NEBRASKA', 'EPA INCIDENT REPORT HIGHLIGHTS DICAMBA ISSUES FROM 2021', '3 CROPS THEMES FROM 2021', 'WHAT KEVIN BRADLEY IS WATCHING FOR IN 2022', 'NEW YEAR, SAME WEATHER FOR BRAZIL', '10 WAYS TO MAKE MORE MONEY IN CORN AND SOYBEANS', 'BRINGING ALFALFA BACK TO THE SOUTH', 'NORTHERN SOIL COMPACTION CONFERENCE SET FOR JANUARY 26-27', 'MINNESOTA RECEIVES WIDESPREAD PRECIPITATION', and 'WHAT ARE FARMERS DOING TO OVERCOME HIGH FERTILIZER PRICES'. A button 'ADD INFO MODEL +' is located in the top right corner.

edit and delete :

The screenshot shows the Django admin interface at the URL [http://127.0.0.1:8000/admin/info\\_app/infomodel/add/](http://127.0.0.1:8000/admin/info_app/infomodel/add/). The left sidebar navigation is identical to the previous screenshot. The main content area is titled 'Add info model' and contains three fields: 'Title:' with an empty input field, 'Content:' with a large text area, and 'Image:' with a file upload button labeled 'Choose File' and a message 'No file chosen'. At the bottom right are three buttons: 'Save and add another', 'Save and continue editing', and a prominent blue 'SAVE' button.