




# UPSWING FARMING

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# PROBLEM AND APPROACH

- Growing population is widening the gap between the food demand and agricultural resources
- According to the UN Food and Agriculture Organization, the world will need to produce 70% more food in 2050 than it does now

## SOLUTION

- Improve food production by increasing the number of producers
- Reduce wastage occurring from inefficient farming methods

## OUR APPROACH

- Upswing farming encourages small scale farmers, home gardeners to register for events ,make an informed decision on farming methods, get answers on queries and making the entire process easier

# USE CASES

## **Gardeners:**

1. Gardeners are able to sign up and create an account on their own
2. Gardeners can see the top crops based on their area
3. They can rent land or put up their land for lease
4. They can see the crop prices in the market which is controlled by the state department
5. Once they make a decision on the crops to be grown they can check the farming methods for each crop
6. Anytime during the production they can post their queries on a forum which is answered by the farmers
7. They can then register for food collection drive events to sell their crops

# USE CASES :

## **State department :**

1. State department can approve funding requests from researchers
2. They create the crop collection drive events
3. They control the market by pricing the crops

## **Researcher :**

1. Researcher is able to view the analytics
2. They can raise requests for funding

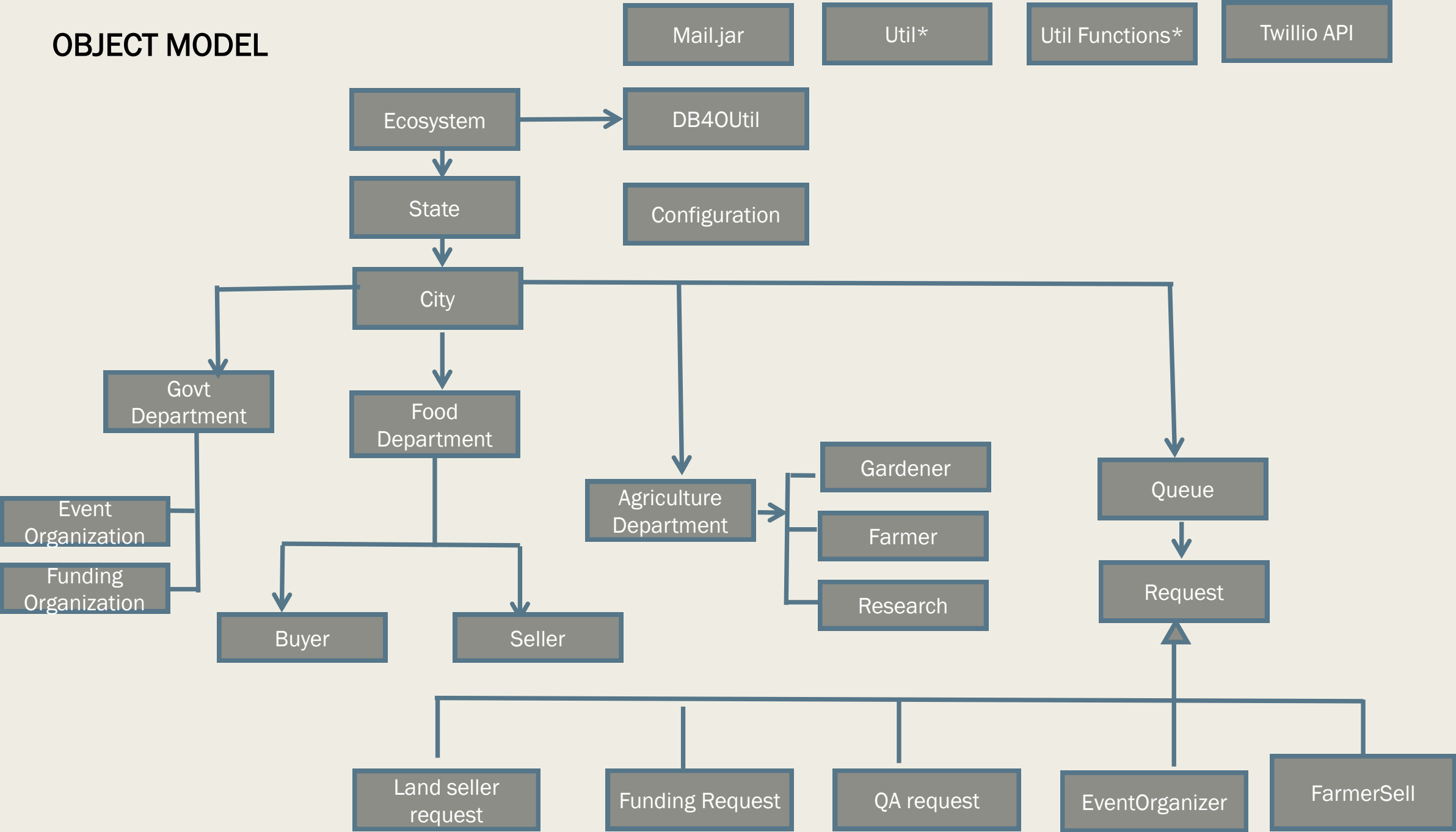
## **Farmers :**

1. Farmers are able to answer the gardeners queries
2. They are able to sell their crops to buyers

## **Sellers :**

1. Sellers are able to sell raw materials

OBJECT MODEL



# Project Snapshots:

The screenshot displays a web application interface with a light blue background. On the left side, there is a vertical sidebar containing a login form and a link. The main content area on the right is titled 'PLANTER WORK AREA' and features five interactive buttons arranged in two rows.

**Left Sidebar:**

- User Name:** A text input field containing the text 'ag'.
- Password:** A text input field containing three asterisks '\*\*\*'.
- Login:** A button with a right-pointing arrow icon and the text 'Login'.
- Logout:** A button with the text 'Logout'.
- New User Sign Up:** A blue text link.

**PLANTER WORK AREA:**

- PLAN MY GARDEN:** A large rectangular button in the top row.
- REGISTER FOR EVENTS:** A large rectangular button in the top row.
- LEASE LAND:** A rectangular button in the bottom row.
- PUT UP LAND FOR L...:** A rectangular button in the bottom row.
- Ask Community:** A rectangular button in the bottom row.

User Name

ag

Password

\*\*\*

Login

Logout

[New User Sign Up](#)

## CROPS AND METHODS

State: NY City: Buffalo

Season	Crop1	Crop2	Crop3
Winter	Crop7	Crop6	Crop2
Fall	Crop10	Crop3	Crop5
Autumn	Crop6	Crop3	Crop2

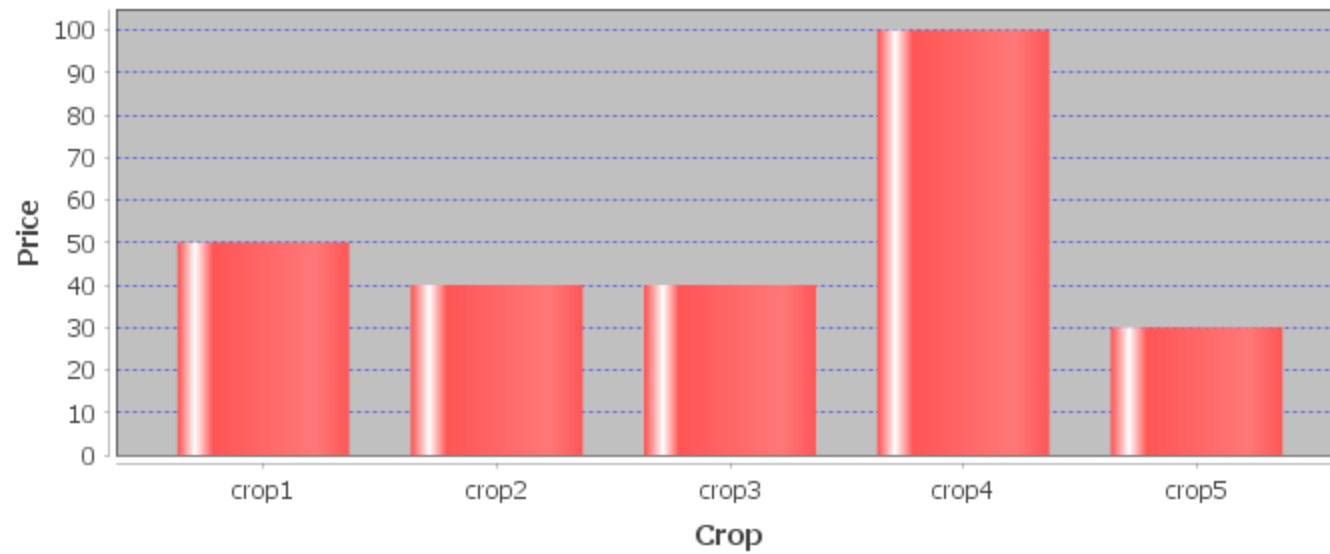
Top crops in area

Top crops in market

Check farming methods

[← Back](#)

## Market



Show Graph

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## Farming Methods

State: NY City: Buffalo Season: Winter

Select Crop

Crop7

Ok

Selected Crop: Crop7

### Best Farming Methods

Step 1 :

Step 2 :

Step 3 :

Step 4 :

Step 5 :

Step 6 :

Step 7 :

Step 8 :

Step 9 :

Step 10 :

<<Back

User Name

ag

Password

\*\*\*

Login

Logout

New User Sign Up

## Lease my Land

Location	Area	Price/Month	Contact
Ny	100	100	987654321

LAND AVAILABLE IN YOUR CITY

Contact Owner

Enter your email id and pasword below:

Email ID

TO

Password

Subject:

Message:

<<BACK


Send Mail

User Name

ag

Password

\*\*\*

 Login

Logout

[New User Sign Up](#)

## ASK COMMUNITY

My Queries :

Question	Sender	Receiver	Status	Answer
Ny	ag		Posted	

Post Question to community:


Hi how can I improve my production usind this fertilizer?

Ask

<< Back

User Name

Password

 Login

Logout

[New User Sign Up](#)

## PLANTER PROFILE

First Name :

Last Name:

State:

City:

UserName :

Password:

Submit

Back

**THANK YOU**