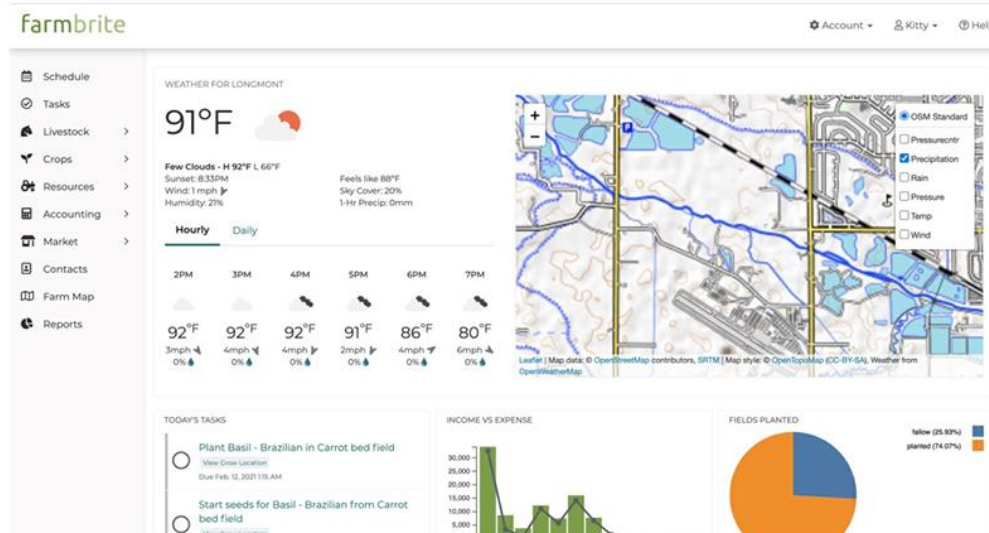


FARMER MODULES

The farm interface should look like this : (like this template)

No need of the map and other things on the screen I just mean the template should be this way



1. Authentication

Login/Register

- ✓ First_name
- ✓ Last_name
- ✓ Dob
- ✓ Gender
- ✓ Phone
- ✓ Email
- ✓ Address
- ✓ country
- ✓ Farm_name
- ✓ Farm_address
- ✓ Farm_size
- ✓ Farm_type

2. **Farm schedule:** In this module, the farmer himself makes events on the calendar and they get displayed on the side as running events

Refer to this video for calendar format:

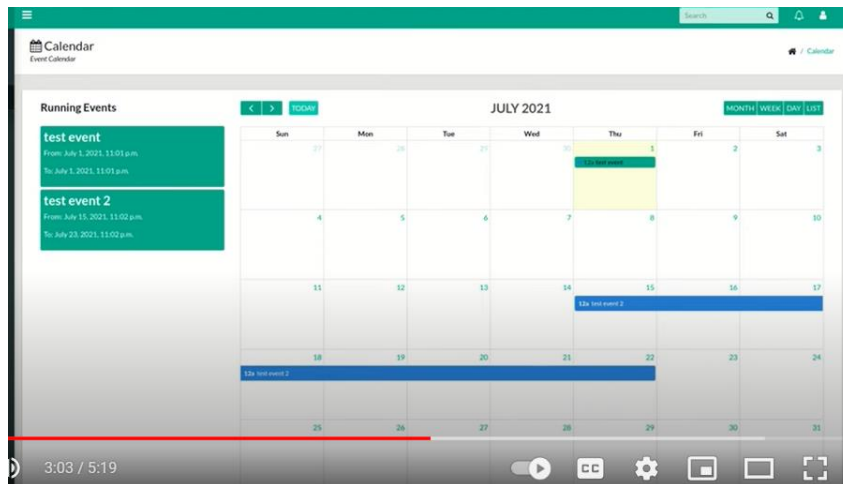
<https://youtu.be/nTIMYHJRW1c?si=A9HCu0SDhdwxhAiB>



Crop Planning and Scheduling

- Calendar-wise scheduler for:
 - Crop Planting
 - Irrigation
 - Crop Rotation

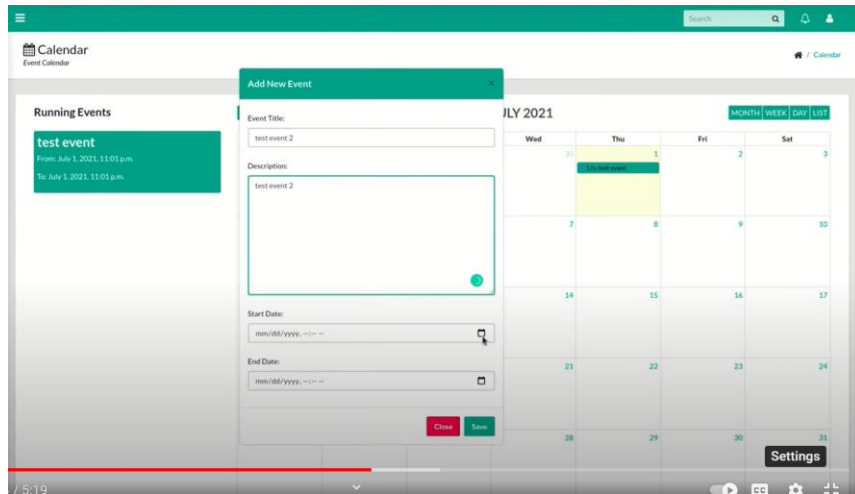
The calendar should look like this:



To add the event (it look like):

- ✓ Event_title
- ✓ Description
- ✓ Start_date
- ✓ End_date
- ✓ Priority (also add a color option
like red, yellow, or orange to

show the priority of the task)



Task

- List of tasks with details such as:
 - Task Name
 - Due Date
 - Assigned Worker
 - Status
 - Description
 - Add_Checklists
 - Color (showing priority – no need of a lot of colors just yellow , orange , red to show priority)

It should look like this :

farmbrite

New Task

Title: Check on hive AI

Due Date: mm/dd/yyyy

Assigned To: Kitty

Description: Bee hive maintenance

Associate To: [Search]

Checklist:

- ☐ Feed-if needed
- ☐ Check for mites
- ☐ Take off wintering panels
- ☐ Add honey super

Add Checklist Item

Status: To Do

Color: [Color Swatches]

Add Map Location

Create

(no need of the - associate to option and map option)

We should also have the option to print the tasks and also search by task, date, worker, status

farmbrite

Account Kitty Help

Tasks: All Users

New Task

All Users Title

TASK	ASSIGNEE	STATUS	DUE
Plant Basil - Brazilian in Carrot bed field View Grow Location		To Do	Feb. 12, 2021
Start seeds for Basil - Brazilian from Carrot bed field View Grow Location		To Do	Feb. 12, 2021
Plant Arugula, Green in Test field View Grow Location		To Do	Feb. 20, 2021
Start seeds for Arugula, Green from Test field View Grow Location		To Do	Feb. 20, 2021
Grow location A_Seed View Grow Location		To Do	Mar. 08, 2021
Plow field View Grow Location		To Do	Mar. 09, 2021
Weekly to-do List https://docs.google.com/spreadsheets/d/7vFyE2K2K-njgEjH9Da2xHcF9DM_rmb83CV2egHKSQ/edit#gid=0		To Do	Mar. 10, 2021
Start seeds for Hemp, Rainbow from Hemp field View Grow Location		To Do	Mar. 16, 2021

3. Soil Testing

✚ Book for Soil Test

✚ Publishing Results

- Prediction of Required Soil Nutrients and Fertilizers

4. Resource Tracking

Make a main option in the name of Resource under that add two sub options like crop and livestock

CROP TRACKING

In the crop option,

We must be able to create, delete and update crop details

For adding crop we need fields like :

Adding New Crop:-

Type:	<input type="text"/>
Variety:	<input type="text"/>
Internal Id:	<input type="text"/>
<input type="button" value="Save"/>	

After this the page may look like:-

Type	Variety	choose
Basil	Brazilian	<input type="button" value="Plant"/> <input type="button" value="Harvest"/> <input type="button" value="X"/>

If you click the plant option :

If you are choosing plant option:

Name:

Variety:

Internal id:

Location Type:

Planting Format:

Size:
(eg: 1.27 acres)

Plant Date:
use datepicker

Choose from:

- Field
- Green house
- Grow Room
- Other

Choose:

- Planted in Beds
- Cover crops
- Row Crop
- Other.

If you are choosing the harvest option :

If you are choosing harvest option:

Name:

Variety:

Internal Id:

Location:

Size:

Harvest date: use date picker

We also need an option to see the details of all plants:

Note : Make an option to print this list and also a search option to search by type, variety, date, location, etc...

~~Make~~ ~~an~~ View all cplants option:-

Type	Variety	Plant date	Harvest date	Location	Planting Format	Size
Basil	Brazilian	3 August	4 Feb	Field	Row crop	1.27 acres

DECEMBER 07
WEDNESDAY

LIVESTOCK TRACKING

To add a livestock:

Also we must be able to create , delete , update the animal details

A hand-drawn form on lined paper for adding livestock details. The form includes the following fields and options:

- Animal:
- Type:
- Breed:
- Gender:
- Dob:
- Status: choose:
 - Alive
 - sold
 - Deceased (dead)
- Weight:
- Internal id:
- Breeding status: choose:
 - Not Bred
 - Exposed
 - pregnant
 - Lactating
- (if pregnant make an option to enter the expected delivery date)
- Image:
- Documents: upload documents
-

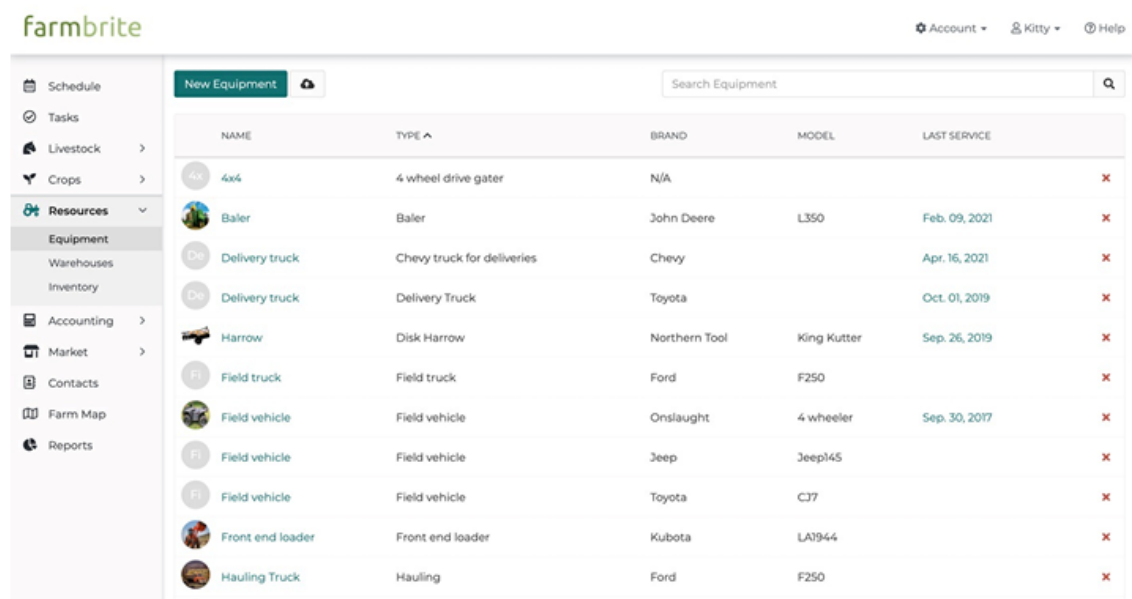
After adding the livestock we have to show a page showing the details of all the livestock and it should contain details like :

- Animal
- Type
- Breed
- Gender
- Dob
- Status
- Weight
- Breeding status
- Image
- Documents (we must be able to download from there)

5. Inventory Tracking

For inventory tracking, we do tracking for items like types of equipment, vehicles, harvest, etc .

Like this :



The screenshot shows the 'farmbrite' web application interface. On the left is a sidebar menu with options: Schedule, Tasks, Livestock, Crops, Resources (expanded), Warehouses, Inventory, Accounting, Market, Contacts, Farm Map, and Reports. The 'Resources' section is active, showing a list of equipment items. At the top of the main content area, there is a 'New Equipment' button and a search bar labeled 'Search Equipment'. Below this is a table with the following columns: NAME, TYPE, BRAND, MODEL, and LAST SERVICE. The table contains 10 rows of equipment data, each with a small icon, a name, a type, a brand, a model, a last service date, and a red 'X' icon in the final column.

NAME	TYPE	BRAND	MODEL	LAST SERVICE	
4x4	4 wheel drive gater	N/A			X
Baler	Baler	John Deere	L350	Feb. 09, 2021	X
Delivery truck	Chevy truck for deliveries	Chevy		Apr. 16, 2021	X
Delivery truck	Delivery Truck	Toyota		Oct. 01, 2019	X
Harrow	Disk Harrow	Northern Tool	King Cutter	Sep. 26, 2019	X
Field truck	Field truck	Ford	F250		X
Field vehicle	Field vehicle	Onslaught	4 wheeler	Sep. 30, 2017	X
Field vehicle	Field vehicle	Jeep	Jeep145		X
Field vehicle	Field vehicle	Toyota	CJ7		X
Front end loader	Front end loader	Kubota	LA1944		X
Hauling Truck	Hauling	Ford	F250		X

Under the option Inventory


, we need to have a sub option like Equipments in which we need to have fields like :

- name
- type
- brand
- model
- last service

we must also have an option like to search the equipment and also

6. Accounting and Transaction Management

 Record Transactions

 Transaction Details:

- Date
- Payee
- Category
- Type (Expense, Income)
- Amount
- Upload Bill


7. Contact Management

 Maintain Contact List of Important People:

- Employees
- Contractors
- Vendors
- Customers

8. Reports

 Print Individual Work Plans and Schedules

 Track and Report Task Progress and Status

 Report Total Harvest and Yield

 Livestock Details Report

 Livestock Feeding Report

 Expense and Income Report

WORKER MODULE

1. Authentication

 **Register/Login**

2. Task Management

 **Task Todo**

- **Create Personal To-Do**

Lists  **View Assigned Work**

- **Title**
- **Due Date**
- **Description**
- **Update Work Status**

3. Notifications

 **Receive Notifications for Assigned Work**

4. Work Reporting

 **Report Completed Work**

5. Request for Leave

6. Report complaints