

Project Title	Agri Shop For Farmers
Technologies	MongoDB, Express, HTML, CSS, JS, and Node.js
Domain	Agriculture
Project Difficulties level	Medium

Problem Statement:

The system provides a platform for farmers to sell their crop products at various layers of the marketing chain (market, merchant, or end-user) with a variety of options. This platform will assist farmers in locating nearby marketplaces, as well as current supply information and demand for a specific commodity, in less time and with less work. As a result of this study, he will be able to determine which market is more profitable for his crop/product.

Farmers can utilize this service to learn more about how e-farming works and how they can use it to sell their products. This application will serve as a one-of-a-kind and secure method of agro-marketing.

System Modules:

FARMER

- Login
- Register
- OTP Verification
- Manage Orders
- Update order Status
- Add Product
- Update/Delete product
- Upload images
- My Sales
- Update Shipping Status
- Logout

PUBLIC

- Register
- Login
- OTP Verification
- My Account
- Manage Wallet Balance
- View product details
- Search product
- Add to cart
- Edit/Delete Cart
- Add/Edit Shipping Address
- Order Product
- My Order status
- View Shipping Status

Project Evaluation metrics:

Code:

- You are supposed to write a code in a modular fashion
- Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system)
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub
- Follow the coding standards

Database:

- You are supposed to use MongoDB.

Cloud:

- You can use any cloud platform for this entire solution hosting like AWS, Azure or GCP

API Details or User Interface:

- You have to expose your complete solution as an API or try to create a user interface for your model testing. Anything will be fine for us.

Logging:

- Logging is a must for every action performed by your code, use the python logging library for this.

Ops Pipeline:

- If possible, you can try to use the AI ops pipeline for project delivery Ex. DVC, MLflow, Sagemaker, Azure machine learning studio, Jenkins, Circle CI, Azure DevOps, TFX, Travis CI

Deployment:

- You can host your model in the cloud platform, edge devices, or maybe local, but with a proper justification of your system design.

Solutions Design:

- You have to submit complete solution design strategies in HLD and LLD document

System Architecture:

- You have to submit a system architecture design in your wireframe document and architecture document.

Latency for model response:

- You have to measure the response time of your model for a particular input of a dataset.

Optimization of solutions:

- Try to optimize your solution on code level, architecture level, and mention all of these things in your final submission.
- Mention your test cases for your project.

Submission requirements:

High-level Document:

You have to create a high-level document design for your project. You can reference the HLD form below the link.

Sample link:

[HLD Document Link](#)

Low-level document:

You have to create a Low-level document design for your project; you can refer to the LLD from the below link.

Sample link

[LLD Document Link](#)

Architecture: You have to create an Architecture document design for your project; you can refer to the Architecture from the below link.

Sample link

[Architecture sample link](#)

Wireframe: You have to create a Wireframe document design for your project; refer to the Wireframe from the below link.

Demo link

[Wireframe Document Link](#)

Project code:

You have to submit your code GitHub repo in your dashboard when the final submission of your project.

Demo link

[Project code sample link :](#)

Detail project report:

You have to create a detailed project report and submit that document as per the given sample.

Demo link

[DPR sample link](#)

Project demo video:

You have to record a project demo video for at least 5 Minutes and submit that link as per the given demo.

Demo link

[Project sample link :](#)

The project LinkedIn a post:

You have to post your project detail on LinkedIn and submit that post link in your dashboard in your respective field.

Demo link

[Linkedin post sample link :](#)