Poultry Health Hub

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1. Introduction

The **Poultry Health Hub** is a simple web-based tool designed to assist poultry farmers and enthusiasts in identifying potential diseases in chickens through image-based prediction. This website provides a user-friendly interface for uploading chicken images and receiving instant disease detection results.

2. Project Objective

The main goal of this project is to develop a lightweight, browser-based platform that can:

- Allow users to upload an image of a chicken
- Predict whether the chicken is healthy or affected by common poultry diseases
- Educate users on how to maintain a healthy poultry environment

3. Technology Used

- **HTML5** – for webpage structure
- **CSS3** – for styling and animations
- **JavaScript** – for file input handling and prediction logic
- **Notepad** – as the code editor
- **Browser (Chrome/Firefox)** – to run the project locally

4. Website Structure

The website consists of the following main components:

Page	Description
index.html	The homepage with navigation and a welcome message
predict.html	The prediction interface where users upload an image
style.css	Contains the design and animation styles
Embedded JavaScript	For disease prediction logic based on file names

5. Navigation Flow

- The top navigation includes **HOME**, **ABOUT**, and **CONTACT**
- Clicking each item toggles the visibility of its section
- Default section is **HOME**, which contains a "Get Started" button
- Clicking "Get Started" opens predict.html

6. Interface Features

- Emoji-style hen buttons with hover animations 🐓
- Feather emojis floating across the screen ⬚
- Responsive navigation and centered content
- Clean, bright UI with yellow theme to match poultry vibe

7. Future Enhancements

- Connect to a real AI model for image classification
- Add login functionality for users
- Store prediction history
- Display confidence scores and suggested treatments
- Enable mobile responsiveness

9. Conclusion

The Poultry Health Hub is a beginner-friendly project that demonstrates frontend development, basic interaction handling, and user-focused design. It's suitable for educational and small-scale demonstration purposes.