Here’s everything you need to integrate and understand the **BirdApp dashboard** across web and mobile platforms:

**📱 Mobile Dashboard View for BirdApp**

This layout is designed for mobile screens and includes:

* **Egg Production Trends**: Line and bar charts showing daily/weekly output.
* **Feed Consumption**: Usage per flock with alerts for anomalies.
* **Health Alerts**: Vaccination status, health checks, and mortality indicators.
* **Responsive Design**: Collapsible sections, scrollable charts, and touch-friendly navigation.

📥 Download the mobile dashboard layout: 👉 [BirdApp*Mobile*Dashboard.pdf](blob:https://outlook.office.com/df7a698b-00b2-4738-9945-f9cc0ecaf73d)

**🧠 Dashboard Data Sources Explained**

**🔢 Models Feeding the Dashboard**

* **Flock**: Basic flock info (location, count, status)
* **FeedingLog**: Records feed quantity per flock
* **HealthLog**: Logs health status and notes
* **ProductionLog**: Tracks egg/meat production

**🛠️ Services Used**

* FeedingService: Logs and summarizes feed usage
* HealthService: Records health checks and retrieves status
* ProductionService: Registers production and trends
* MetricsService: Aggregates metrics for dashboard charts

**📊 Dashboard Metrics**

| **Metric** | **Source** |
| --- | --- |
| **Feed Consumption Trends** | Aggregated from FeedingLog |
| **Egg Production Trends** | Filtered from ProductionLog where product\_type='egg' |
| **Health Status Overview** | Latest entries from HealthLog |
| **Mortality or Alerts** | Derived from HealthLog + NotificationService triggers |

**🌐 Web App Integration Tips**

To integrate the dashboard into your web app:

1. **Frontend**:
   * Use React or Vue for dynamic charts (e.g., Chart.js, ApexCharts)
   * Create components for each metric section
   * Make it responsive using CSS Grid or Flexbox
2. **Backend**:
   * Expose APIs from MetricsService and ProductionService
   * Use Django REST Framework to serve JSON data
   * Cache frequent queries for performance
3. **Security & Access**:
   * Use AccountApp to restrict dashboard views by role
   * Log dashboard interactions for audit and analytics

Would you like help generating the React/Vue components or Django API endpoints for the dashboard next?