PICK MY DISH

Your Personal Cooking Companion

- Time-aware
- Mood-based
- Ingredient-aware

Intelligent Recipe Recommendation System

Team Members:

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THE CHALLENGE

Decision Fatigue

Limited Resources

Time Constraints

No Personalization

OUR SOLUTION

AI Recommendations

Smart Filtering

Time-Based

Mood-Aware

Key Features

Mood Filtering

Ingredient Matching

Time-Aware

Favorites System

Offline Capable

User Profiles

Recipe Upload

Admin Controls

Frontend

Flutter

Provider

SQLite

Backend

Node.js

Express

MySQL

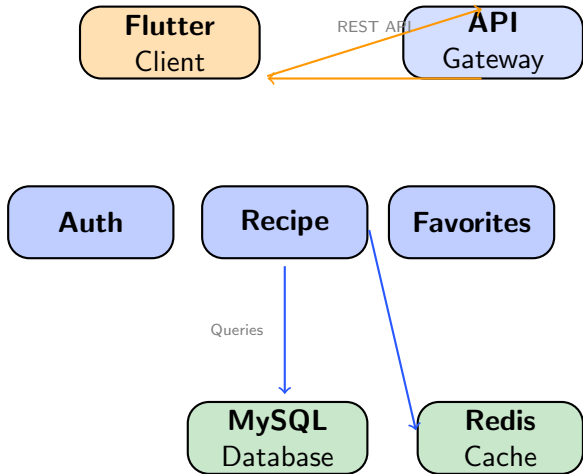## DevOps

Jenkins

Nginx

Contabo VPS

System Architecture

User Flow: Mood-Based Recipe Discovery

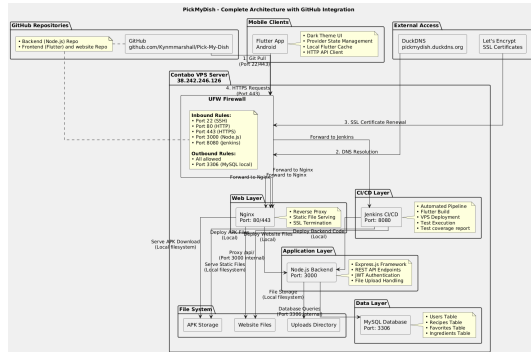| Select Mood	Choose Ingredients	Set Time Limit	View Results

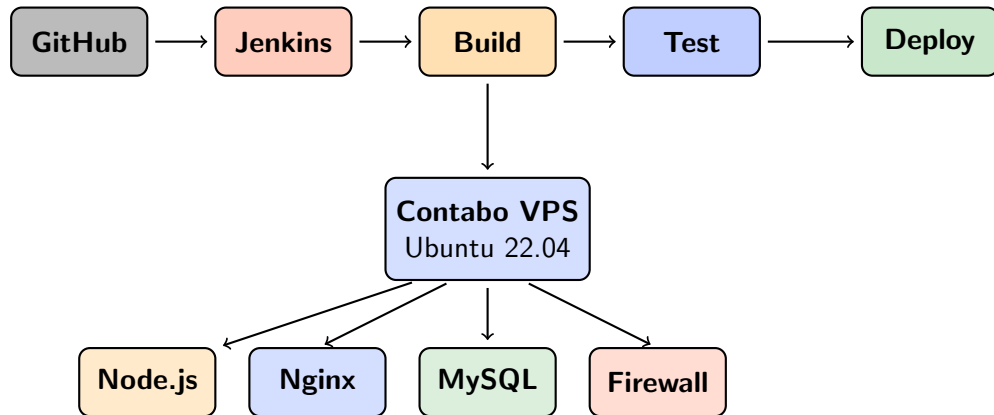Mood   Ingredients   Time   Results

Happy • Sad
• Energetic
• Comfort
• Healthy
• Quick
• Light

Design Patterns

- **Provider Pattern**
  State management

- **Repository Pattern**
  Data abstraction

- **Singleton Pattern**
  Shared instances

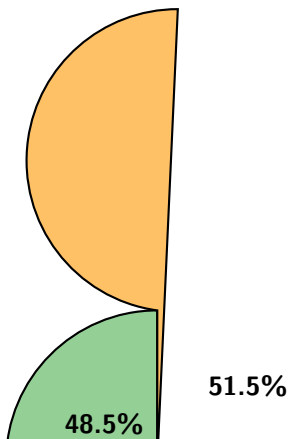- **Factory Pattern**
  Object creation

Deployment & DevOps Pipeline


```
GitHub → Jenkins → Build → Test → Deploy
                     ↓
              Contabo VPS
              Ubuntu 22.04
              ↙    ↓    ↓    ↘
        Node.js  Nginx  MySQL  Firewall
```

99.8% Uptime — CI/CD Automation — Real-time Monitoring

Test Coverage

51.5%

48.5%

Performance

Metric	Target	
Recipe Load Time	¡2s	
API Response	¡500ms	
Database Query	¡300ms	
Uptime	99.8%	

Conclusion & Future Roadmap

Achievements

- Fully functional cross-platform app
- Secure authentication system
- Offline-first architecture
- Fast, responsive UI
- Automated deployment
- Comprehensive testing

Future Enhancements

- AI-powered recommendations
- Multi-language support
- Advanced analytics
- Smart notifications
- Nutrition tracking
- Social sharing

Thank You!

Questions?