lib/

├── auth/

│ ├── models/

│ │ ├── app\_user.dart

│ │ ├── authentication\_models.dart

│ │ ├── followers\_sub.dart

│ │ ├── following\_sub.dart

│ │ ├── resume\_sub.dart

│ │ └── saved\_post.dart

│ └── auth\_gate.dart

├── chat/

│ ├── models/

│ │ ├── conversation.dart

│ │ └── message.dart

│ ├── chat\_screen.dart

│ ├── messages\_screen.dart

│ └── user\_search\_screen.dart

├── config/

│ ├── .gitignore

│ ├── config.dart

│ ├── decorations.dart

│ ├── firebase\_options.dart

│ └── routes.dart

├── constants/

│ └── notification\_types.dart

├── core/

│ ├── handlers/

│ │ ├── Company\_profile/

│ │ │ ├── company\_upload\_image.dart

│ │ │ ├── company\_upload\_image\_html.dart

│ │ │ └── company\_upload\_image\_io.dart

│ │ ├── image\_uploader/

│ │ │ ├── RecipeImageUploader.dart

│ │ │ ├── RecipeImageUploaderHtml.dart

│ │ │ └── RecipeImageUploaderIo.dart

│ │ ├── maps/

│ │ ├── postimage\_uploader/

│ │ │ ├── upload\_image.dart

│ │ │ ├── upload\_image\_html.dart

│ │ │ └── upload\_image\_io.dart

│ │ └── image\_handler.dart

│ ├── recipe\_provider.dart

│ └── storage\_service.dart

├── create/

│ ├── job\_create.dart

│ ├── post\_create.dart

│ └── recipe\_create.dart

├── deep\_linking/

│ ├── branch\_link\_generator.dart

│ ├── branch\_observer.dart

│ ├── branch\_service.dart

│ └── link\_generator.dart

├── home/

│ ├── app\_bar\_actions.dart

│ ├── create\_drawer.dart

│ ├── home\_screen.dart

│ ├── large\_screen\_layout.dart

│ └── small\_screen\_layout.dart

├── models/

│ ├── jobs\_model/

│ │ ├── applicants\_sub.dart

│ │ ├── job.dart

│ │ └── Subcollection.txt

│ ├── posts/

│ │ └── posts.dart

│ ├── recipes/

│ │ └── recipe.dart

│ └── notification\_model.dart

├── screens/

│ ├── single/

│ │ └── recipe\_detail\_screen.dart

│ ├── job\_feed\_screen.dart

│ ├── notifications\_screen.dart

│ ├── post\_feed\_screen.dart

│ └── recipe\_feed\_screen.dart

├── services/

│ ├── FCMService.dart

│ └── notification\_service.dart

├── theme/

│ └── theme.dart

├── user/

│ ├── EditUserProfile\_Screen.dart

│ ├── ResumeBuilderScreen.dart

│ ├── ResumeViewScreen.dart

│ ├── UserProfile\_Screen.dart

│ └── users.dart

├── utils/

│ └── navigation\_helper.dart

├── widgets/

│ ├── ads\_widget.dart

│ ├── blogs\_tab.dart

│ ├── friend\_suggestions\_widget.dart

│ ├── jobs\_tab.dart

│ ├── notification\_icon.dart

│ ├── notification\_tile.dart

│ ├── post\_card.dart

│ ├── posts\_tab.dart

│ ├── recipes\_tab.dart

│ └── user\_info\_panel.dart

├── app.dart

├── deep\_linking.dart

├── firebase\_options.dart

├── imports.dart

└── main.dart

Here's a comprehensive project plan for CuliNect:

1. Core Platform Features

* Authentication & User Management
* Social Feed & Interactions
* Messaging & Notifications
* Profile Management
* Search & Discovery
* Mobile & Web Responsiveness

1. Professional Profiles

* Resume Builder System
  + Multiple templates
  + PDF export/sharing
  + ATS optimization
  + Portfolio integration
  + Application tracking
* Professional Verification
* Skills & Certifications
* Work History
* Portfolio Gallery

1. Company Management

* Company Profiles
* Verification System
* Branch Management
* Job Posting System
* Analytics Dashboard
* Company Reviews
* Industry Insights

1. Recipe Management

* Recipe Creation & Sharing
* Nutrition Calculator
  + Automatic calculations
  + Serving adjustments
  + Visual nutrition labels
  + Dietary tracking
* Version Control
* Collaboration Tools
* Print & Share Options

1. CuliKnowledge Hub

* Ingredient Encyclopedia
* Dish Database
* Technique Library
* Equipment Guide
* Cultural Context
* Sustainability Info
* Wine Knowledge
* Food Science

1. CuliQuiz System

* Multiple Categories
* Difficulty Levels
* Progress Tracking
* Certifications
* Leaderboards
* Achievement System
* Visual Assessments
* Timed Challenges

1. CuliAsk Forum

* Q&A Platform
* Expert Verification
* Topic Categories
* Solution Marking
* Search Optimization
* Community Moderation
* Rich Media Support

1. Professional Tools

* Inventory Management
* Cost Calculator
* Menu Planning
* Team Management
* HACCP Compliance
* Equipment Maintenance
* Supplier Directory

1. Community Features

* Challenges & Competitions
* Virtual Events
* Mentorship Program
* Collaborative Cooking
* Industry Updates
* Trending Topics
* Regional Communities

1. Business Features

* Job Board
* Marketplace
* Advertising System
* Premium Memberships
* Business Analytics
* Promotion Tools
* Verification Services

Development Phases:

Phase 1 (Months 1-3):

* Core Platform Development
* Basic Profile System
* Recipe Management
* Essential Social Features

Phase 2 (Months 4-6):

* Professional Profiles
* Company Management
* Job System
* Nutrition Calculator

Phase 3 (Months 7-9):

* Knowledge Hub
* Quiz System
* Forum Implementation
* Professional Tools

Phase 4 (Months 10-12):

* Community Features
* Business Features
* Advanced Analytics
* Platform Optimization

Technical Requirements:

* Flutter/Dart
* Firebase Backend
* Cloud Functions
* Real-time Database
* Secure Authentication
* CDN Integration
* Analytics Tools
* Payment Processing

Phase 1 (Core Development)

1. Authentication System

- Social login (Google, Facebook, Apple)

- Email verification

- Phone verification

- Password recovery

- Session management

- Device tracking

- Login analytics

1. Profile System

- Basic profile setup

- Profile completion tracking

- Profile verification

- Image upload/cropping

- Social links integration

- Activity history

- Privacy settings

1. Recipe Management

- Recipe creation workflow

- Ingredient database integration

- Step-by-step builder

- Image handling

- Cooking time calculator

- Serving size adjuster

- Tags and categories

- Search indexing

1. Social Features

- Feed algorithm

- Post creation (text, image, video)

- Comments system

- Reaction system

- Share functionality

- Save/bookmark system

- Follow system

- Blocking/reporting

Phase 2 (Professional Features)

1. Professional Profiles

- Resume builder

- Templates

- PDF generation

- Online sharing

- Application tracking

- Portfolio management

- Skill endorsements

- Work verification

- Achievement system

1. Company Management

- Company profiles

- Verification process

- Branch management

- Team hierarchy

- Analytics dashboard

- Review system

- Rating algorithm

- Location management

1. Job System

- Job posting

- Template system

- Requirements builder

- Salary calculator

- Application tracking

- Candidate matching

- Interview scheduling

- Status updates

1. Nutrition Calculator

- Ingredient database

- Portion calculator

- Nutrient tracking

- Label generator

- Dietary restrictions

- Allergen warnings

- Export functionality

Phase 3 (Knowledge & Learning)

1. Knowledge Hub

- Ingredient encyclopedia

- Detailed profiles

- Usage examples

- Storage guidelines

- Seasonal tracking

- Technique library

- Video integration

- Step-by-step guides

- Expert tips

- Equipment guide

- Comparisons

- Reviews

- Maintenance tips

1. Quiz System

- Question bank

- Category management

- Difficulty scaling

- Progress tracking

- Certificate generation

- Performance analytics

- Leaderboards

1. Forum Implementation

- Question categories

- Answer ranking

- Expert verification

- Search optimization

- Content moderation

- Rich text editor

- Media integration

1. Professional Tools

- Inventory tracker

- Cost calculator

- Menu planner

- Team scheduler

- Compliance checker

- Equipment maintenance

- Supplier directory

Phase 4 (Community & Business)

1. Community Features

- Challenge system

- Event management

- Mentorship matching

- Live streaming

- Virtual workshops

- Community polls

- Regional groups

1. Business Features

- Marketplace

- Product listings

- Order management

- Payment processing

- Shipping integration

- Premium features

- Subscription management

- Feature access

- Analytics

1. Advanced Analytics

- User behavior

- Content performance

- Business metrics

- Job market trends

- Industry insights

- Engagement tracking

1. Platform Optimization

- Performance monitoring

- Load balancing

- Cache management

- CDN integration

- Security updates

- API optimization

Technical Infrastructure:

1. Backend Services

- Firebase Authentication

- Cloud Firestore

- Cloud Functions

- Real-time Database

- Cloud Storage

- Analytics

1. Frontend Architecture

- Responsive layouts

- State management

- Offline support

- Image optimization

- Deep linking

- Push notifications

1. Security Implementation

- Data encryption

- Access control

- Content moderation

- Fraud detection

- Backup systems

1. Integration Services

- Payment gateways

- Email services

- SMS services

- Map services

- Social APIs

- Analytics tools