Overview Repository Structure

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Getting Started

Project 1: Product Management

(Proy1)

Database & Configuration

Product Management System Development Environment

Project 2: Course Platform (Proy2_Cursos)

Data Models & Database

Authentication & Middleware Development & Testing

Project 3: Food Delivery Platform (Proy3_Pedidos)

Architecture & Dependencies

Development Environment

VS Code & Debugging **Dependency Management**

Environment & Configuration

Database Models & Schema

supporting three distinct user types: clients, restaurant administrators, and platform administrators. The system manages the complete food delivery lifecycle from restaurant menu management

> Relevant source files

Purpose and Scope

This page focuses on the overall system architecture, technology stack, and core business logic. For database model details, see <u>Database Models & Schema</u>. For environment configuration specifics, see **Environment & Configuration**. For overall monorepo structure, see **Overview**. **System Overview**

This document covers FoodExpress, a comprehensive food delivery platform implementation that

represents the most sophisticated project in the IronHack Course 2 repository. The system

implements a multi-role web application connecting customers, restaurants, and platform

Project 3: Food Delivery Platform (Proy3_Pedidos)

administrators through a complete order management workflow.

FoodExpress is built as an Express.js application with a complex multi-role authentication system

through order placement and status tracking.

Proy3_Pedidos/def proyecto 1-569

Technology Stack and Dependencies The FoodExpress platform utilizes an extensive technology stack with 15 production dependencies and 2 development dependencies, representing a mature web application architecture.

Core Framework Dependencies Dependency Version **Purpose**

Core web framework ^4.18.2 express ^3.1.9 ejs

Sources: Proy3_Pedidos/package.json 1-39

Templating engine ^3.9.1 MySQL database driver mysq12

Object-relational mapping

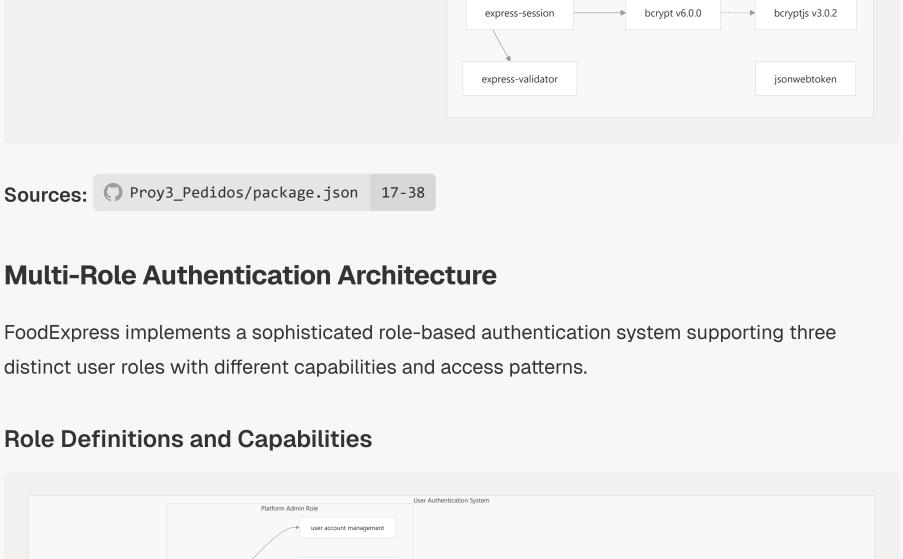
^6.37.7 sequelize

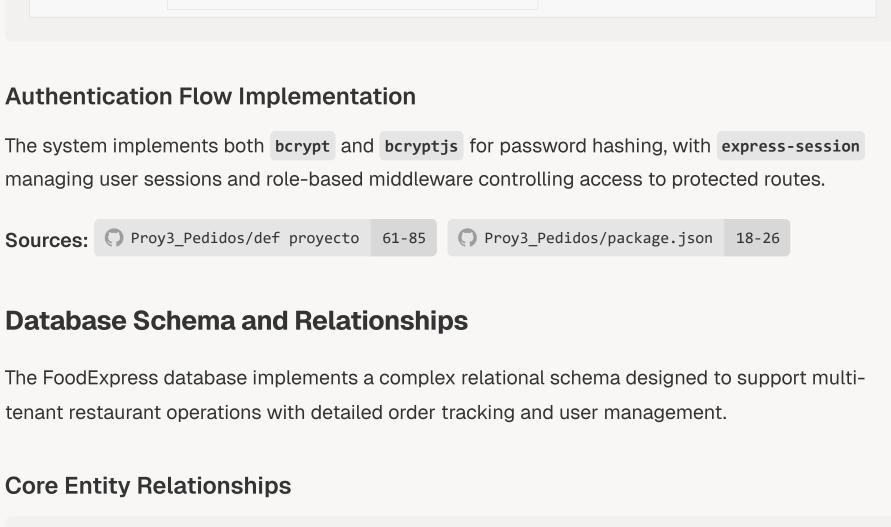
Authentication and Security					
Dependency	Version	Purpose			
bcrypt	^6.0.0	Password hashing (primary)			
bcryptjs	^3.0.2	Password hashing (fallback)			
express-session	^1.18.2	Session management			
jsonwebtoken	^9.0.2	JWT token handling			

express-validator	^7.0.1	Input validation				
Enhanced Features						
Dependency	Version	Purpose				
dotenv	^16.4.5	Environment configuration				
connect-flash	^0.1.1	Flash messaging				
method-override	^3.0.0	HTTP method override				
morgan	^1.10.1	HTTP request logging				

multer		^2.0.2	File upload handling
	Develop	ment Tools	Data Persistence
	nodemon auto-restart	concurrently multi-process	sequelize ORM mysql2 driver sqlite3 fallback
		Application Layer	
		Application Layer	ejs templating
	express	application	static file serving

Security Layer





first_name string string last_name

int

string

string

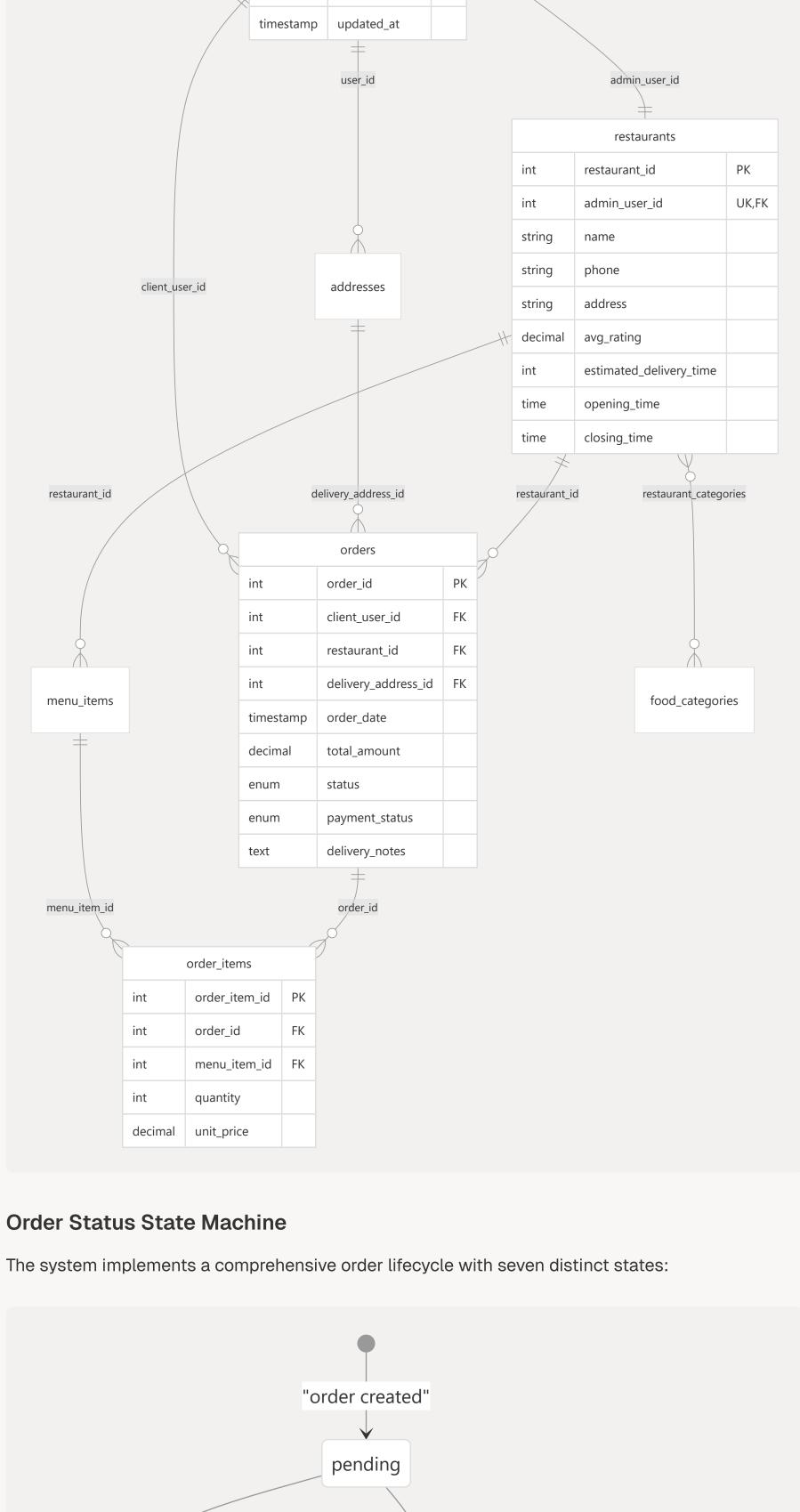
enum

user_id

email

role

password



management system.

Client Order Workflow

Business Logic Flow

FoodExpress implements three distinct user workflows that interact through a shared order

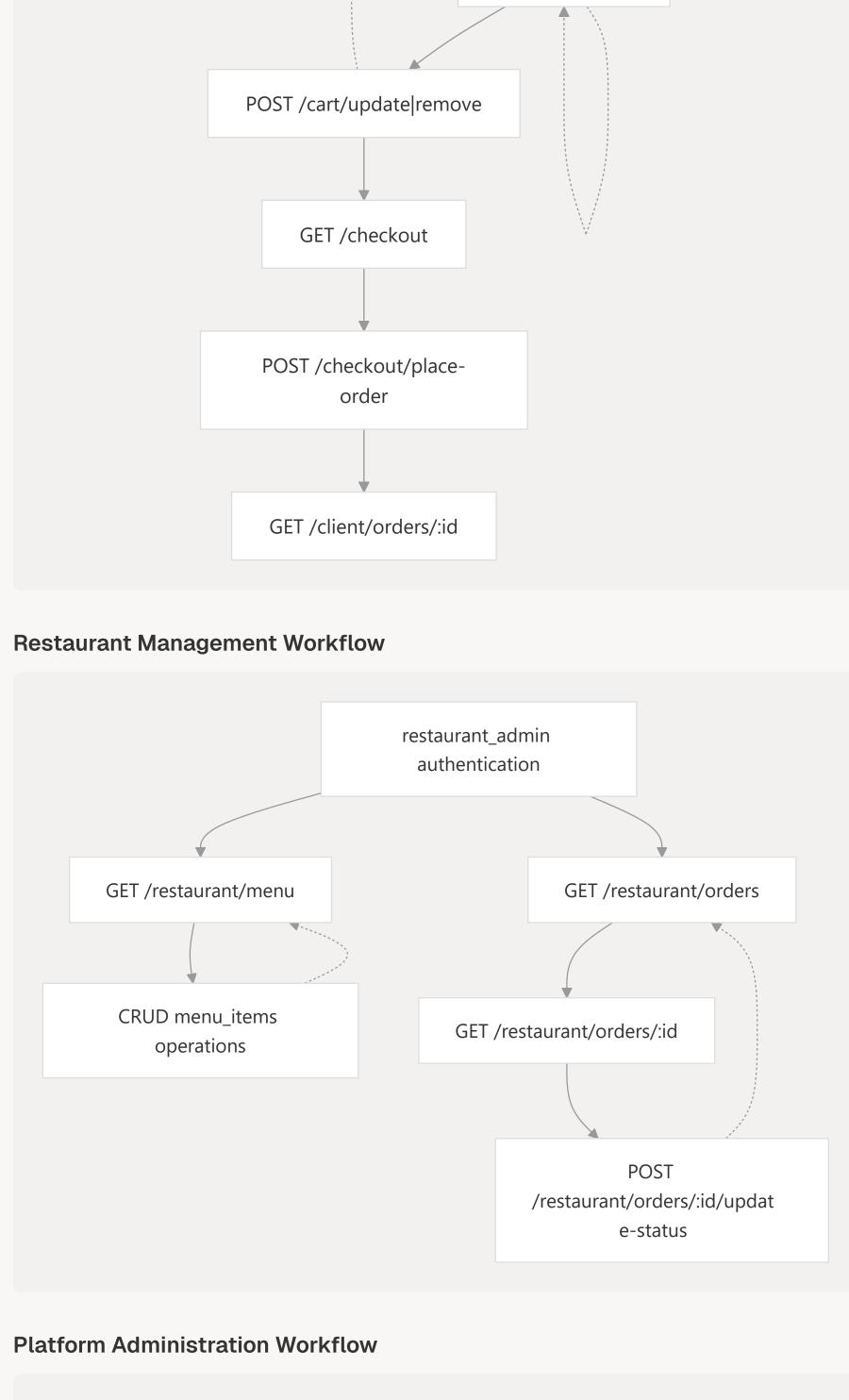
client authentication

GET /restaurants

filter by category/location

GET /restaurants/:id

POST /cart/add



Import Path Configuration

configuration, enabling clean internal module references.

"imports": {

Script

"#root/*.js": "./*.js",

"#config/*.js": "./config/*.js"

Command

This configuration allows modules to import using hash-prefixed paths like #config/db.js instead of relative paths, improving code maintainability and refactoring capabilities.

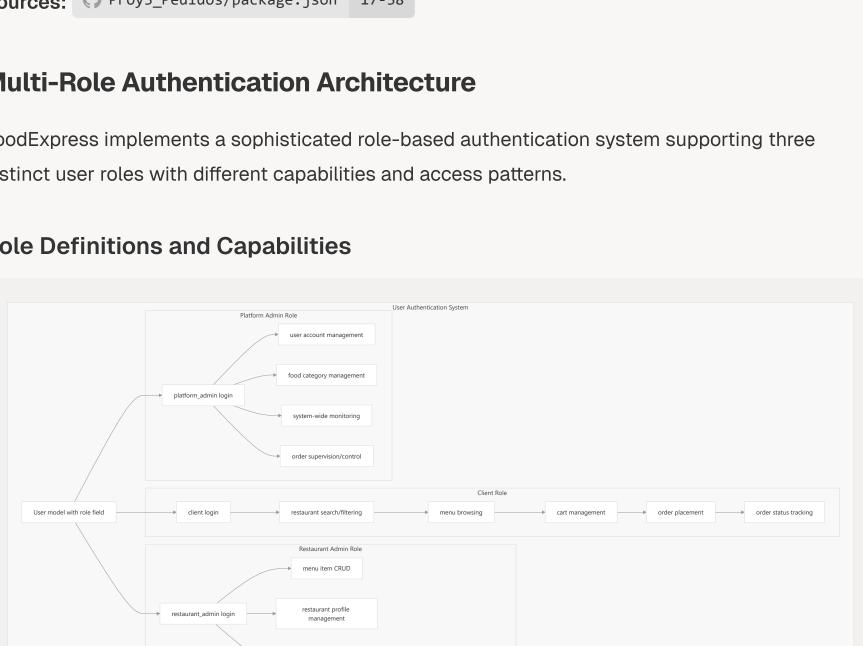
The application provides separate execution modes optimized for different environments:

The project implements ES6 module import path mapping through package.json imports

Production execution start node index.js nodemon index.js Development with auto-restart dev The development dependencies include **nodemon** for automatic server restarts during development

Purpose

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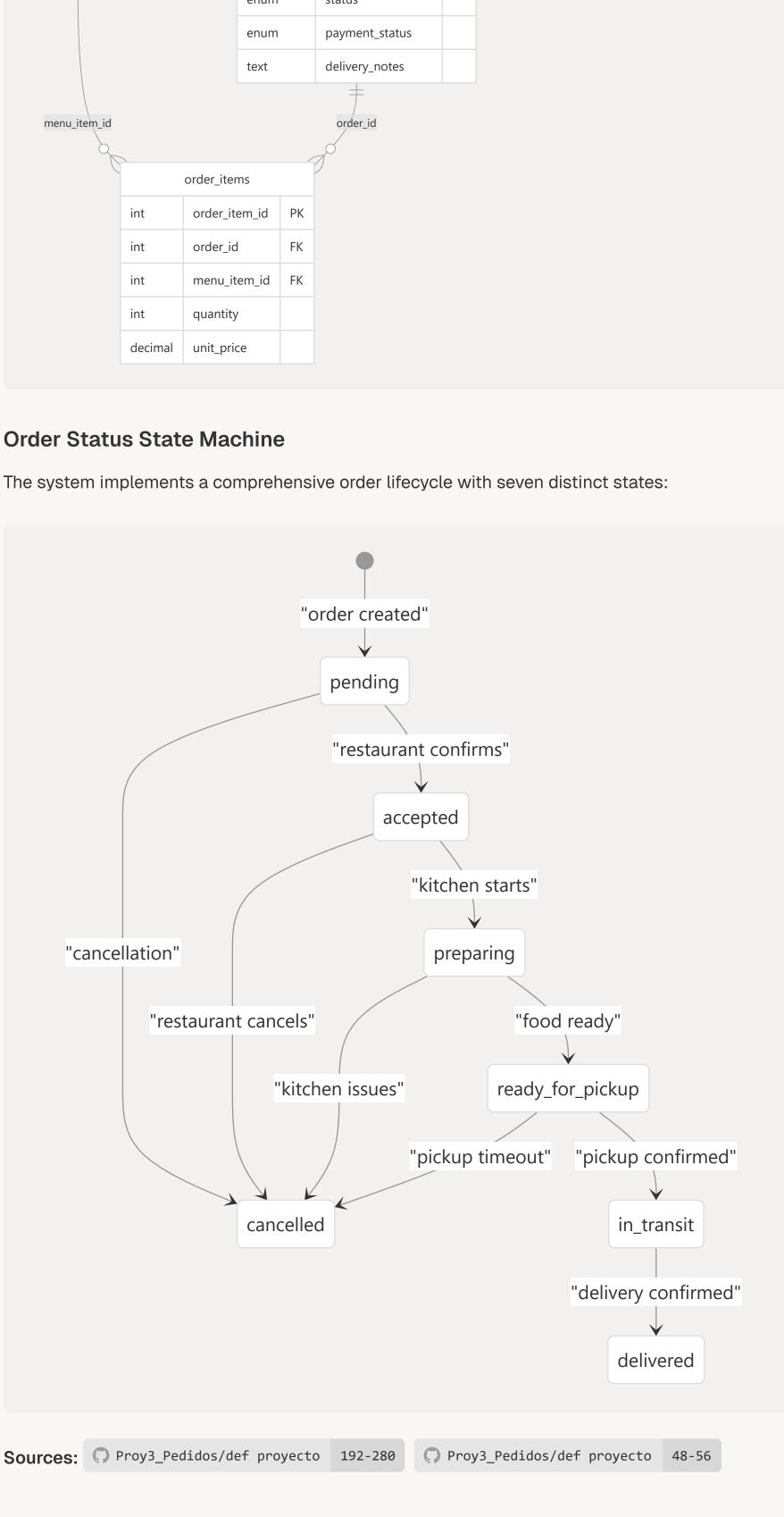


users

phone_number string timestamp created_at

PK

UK



platform_admin authentication GET /admin/categories user account management system monitoring CRUD food_categories order supervision Sources: Proy3_Pedidos/def proyecto 106-143 Proy3_Pedidos/def proyecto 320-543

Sources: Proy3_Pedidos/package.json 6-9 **Development and Production Scripts**

and concurrently for coordinated multi-process execution within the monorepo structure. Sources: Proy3_Pedidos/package.json 10-13 Proy3_Pedidos/package.json 35-37