

Recipe Management System (DishDash) URIs

URIs needed for Cost Analysis Module

HTTP Method	URI	Type	Description
GET	https://t3-awd-recipe-management-system-2.onrender.com/suppliers	Response (200): [{ "id": 1, "name": "Mi Comisariato", "contact": "mi@comisariato.com" }, { "id": 2, "name": "TIA S.A", "contact": "tia@sa.com", "phone": "+1-555-0200" }]	Obtain suppliers list
GET	https://t3-awd-recipe-management-system-2.onrender.com/ingredients/{id}/prices	Response (200): [{ "id": 10, "ingredientId": 5, "ingredientName": "Tomates", "supplierId": 1, "supplierName": "Mi Comisariato", "price": 2.50, "unit": "kg", "lastUpdated": "2024-11-20" }, { "id": 11, "ingredientId": 5, "ingredientName": "Tomates", "supplierId": 2, "supplierName": "TIA S.A", "price": 2.30, "unit": "kg", "lastUpdated": "2024-11-21" }]	Obtain prices of an ingredient from different suppliers
GET	https://t3-awd-recipe-management-system-2.onrender.com/ingredients/prices/{id}	Response (200): { "id": 10, "ingredientId": 5, "ingredientName": "Tomates", "supplierId": 1, "supplierName": "Mi Comisariato", "price": 2.50, "unit": "kg", "lastUpdated": "2024-11-20", "availability": "In stock" }	Obtain detail of specific price
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/{recipeId}/cost-analysis	Response (200): { "recipeId": 15, "recipeName": "Spaghetti Carbonara", "ingredients": [{ "name": "Flour", "quantity": 250, "unit": "g", "cost": 1.50 }, { "name": "Eggs", "quantity": 4, "unit": "dozen", "cost": 3.00 }, { "name": "Tomatoes", "quantity": 500, "unit": "g", "cost": 2.00 }, { "name": "Pasta", "quantity": 500, "unit": "g", "cost": 1.00 }, { "name": "Olive Oil", "quantity": 100, "unit": "ml", "cost": 1.00 }, { "name": "Salt", "quantity": 10, "unit": "g", "cost": 0.10 }, { "name": "Pepper", "quantity": 5, "unit": "g", "cost": 0.10 }] } }]	Calculate cost analysis in real time for a recipe

		<pre> "ingredientId": 5, "name": "Tomates", "quantity": 500, "unit": "g", "unitCost": 2.50, "totalCost": 1.25 }, {...}], "totalIngredientsCost": 8.75, "laborCost": 5.00, "overheadCost": 2.50, "totalCost": 16.25, "costPerServing": 4.06 } </pre>	
POST	https://t3-awd-recipe-management-system-2.onrender.com/cost-quotes	<p>Request:</p> <pre> { "recipId": 15, "totalCost": 16.25, "profitMargin": 40, "suggestedPrice": 27.08, "notes": "Holiday menu pricing" } </pre> <hr/> <p>Response (201):</p> <pre> { "id": 45, "recipId": 15, "totalCost": 16.25, "profitMargin": 40, "suggestedPrice": 27.08, "notes": "Holiday menu pricing", "createdAt": "2024-11-27T10:30:00Z" } </pre>	Save cost analysis
GET	https://t3-awd-recipe-management-system-2.onrender.com/cost-quotes	<p>Response (200):</p> <pre> [{ "id": 45, "recipId": 15, "recipeName": "Spaghetti Carbonara", "totalCost": 16.25, "suggestedPrice": 27.08, "createdAt": "2024-11-27" }, { "id": 46, "recipId": 23, "recipeName": "Spaghetti Bolognese", "totalCost": 18.50, "suggestedPrice": 30.83, "createdAt": "2024-11-26" }] </pre>	Obtain cost analysis saved
GET	https://t3-awd-recipe-management-system-2.onrender.com/cost-quotes/{id}	<p>Response (200):</p> <pre> { "id": 45, "recipId": 15, "recipeName": "Spaghetti Carbonara", "totalCost": 16.25, "profitMargin": 40, "suggestedPrice": 27.08, "notes": "Holiday menu pricing", "breakdown": { } } </pre>	Obtain detail of specific cost analysis

		<pre>"ingredients": 8.75, "labor": 5.00, "overhead": 2.50 }, "createdAt": "2024-11-27T10:30:00Z" }</pre>	
PUT	https://t3-awd-recipe-management-system-2.onrender.com/cost-quotes/{id}	<p>Request:</p> <pre>{ "profitMargin": 45, "suggestedPrice": 29.56, "notes": "Updated for premium menu" }</pre> <hr/> <p>Response (200):</p> <pre>{ "id": 45, "recipeId": 15, "totalCost": 16.25, "profitMargin": 45, "suggestedPrice": 29.56, "notes": "Updated for premium menu", "updatedAt": "2024-11-27T11:00:00Z" }</pre>	Update cost analysis
DELETE	https://t3-awd-recipe-management-system-2.onrender.com/cost-quotes/{id}	<p>Response (200):</p> <pre>{ "message": "Cost quote deleted successfully", "id": 45 }</pre> <hr/> <p>Response (404):</p> <pre>{ "error": "Cost quote not found" }</pre>	Delete cost analysis
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/{recipeId}/cost-quotes	<p>Response (200):</p> <pre>[{ "id": 45, "totalCost": 16.25, "suggestedPrice": 27.08, "profitMargin": 40, "createdAt": "2024-11-27" }, { "id": 42, "totalCost": 15.80, "suggestedPrice": 26.33, "profitMargin": 40, "createdAt": "2024-11-20" }]</pre>	Obtain history of cost analysis per recipe
GET	https://t3-awd-recipe-management-system-2.onrender.com/pricing-formulas	<p>Response (200):</p> <pre>[{ "id": 1, "name": "Standard Markup", "formula": "cost * (1 + margin)", "description": "Simple percentage markup" }, { </pre>	Obtain price formulas available

		<pre> "id": 2, "name": "Cost Plus", "formula": "cost + labor + overhead + profit", "description": "Full cost calculation" }] </pre>	
GET	https://t3-awd-recipe-management-system-2.onrender.com/pricing-formulas/{id}	<p>Response (200):</p> <pre> { "id": 1, "name": "Standard Markup", "formula": "cost * (1 + margin)", "description": "Simple percentage markup", "parameters": [{"name": "cost", "type": "decimal"}, {"name": "margin", "type": "percentage"}] } </pre>	Obtain specific price formula
GET	https://t3-awd-recipe-management-system-2.onrender.com/taxes	<p>Response (200):</p> <pre> { "salesTax": 8.5, "serviceTax": 5.0, "vatRate": 15, "taxRegion": "Manabi", "lastUpdated": "2024-11-01" } </pre>	Obtain taxes configuration
PUT	https://t3-awd-recipe-management-system-2.onrender.com/api/taxes	<p>Request:</p> <pre> { "salesTax": 9.0, "serviceTax": 5.5, "vatRate": 0 } -----</pre> <p>Response (200):</p> <pre> { "salesTax": 9.0, "serviceTax": 5.5, "vatRate": 0, "taxRegion": "NY", "updatedAt": "2024-11-27T12:00:00Z" } </pre>	Update taxes percentages

URIs needed for Quotes Module

HTTP Method	URI	Type	Description
GET	https://t3-awd-recipe-management-system-2.onrender.com/quotes	<p>Response (200):</p> <pre> [{ "id": 101, "clientId": 25, "clientName": "Restaurant Del Mar", "status": "pending", "total": 450.00, "createdAt": "2024-11-25" }, { "id": 102, "clientId": 26, "clientName": "Cafe La Vie", "status": "confirmed", "total": 300.00, "createdAt": "2024-11-26" }] </pre>	Obtain quote list

		<pre>"clientId": 30, "clientName": "Hotel Plaza", "status": "approved", "total": 1200.00, "createdAt": "2024-11-26" }]</pre>	
GET	https://t3-awd-recipe-management-system-2.onrender.com/quotes/status/{status}	<p>Response (200):</p> <pre>[{ "id": 101, "clientId": 25, "clientName": "Restaurant Del Mar", "status": "pending", "total": 450.00, "createdAt": "2024-11-25" }, { "id": 103, "clientId": 28, "clientName": "Cafe Central", "status": "pending", "total": 320.00, "createdAt": "2024-11-27" }]</pre>	Filter quotes by state
GET	https://t3-awd-recipe-management-system-2.onrender.com/clients/{id}/quotes	<p>Response (200):</p> <pre>[{ "id": 101, "status": "pending", "total": 450.00, "itemCount": 5, "createdAt": "2024-11-25" }, { "id": 95, "status": "approved", "total": 380.00, "itemCount": 4, "createdAt": "2024-11-20" }]</pre>	Filter quotes by client
GET	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}	<p>Response (200):</p> <pre>{ "id": 101, "clientId": 25, "clientName": "Restaurant Del Mar", "clientEmail": "contact@delmar.com", "status": "pending", "subtotal": 400.00, "discount": 20.00, "tax": 70.00, "total": 450.00, "notes": "Event for 50 people", "validUntil": "2024-12-10", "createdAt": "2024-11-25T14:30:00Z" }</pre>	Obtain detail of specific quote
POST	https://t3-awd-recipe-management-system-2.onrender.com/quotes	<p>Request:</p> <pre>{ "clientId": 25,</pre>	Create new quote

		<pre> "validUntil": "2024-12-10", "notes": "Event for 50 people", "discount": 0 } -----</pre> <p>Response (201):</p> <pre>{ "id": 101, "clientId": 25, "status": "draft", "subtotal": 0, "discount": 0, "tax": 0, "total": 0, "notes": "Event for 50 people", "validUntil": "2024-12-10", "createdAt": "2024-11-27T10:00:00Z" }</pre>	
PUT	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}	<p>Request:</p> <pre>{ "status": "pending", "validUntil": "2024-12-15", "notes": "Updated notes", "discount": 5 } -----</pre> <p>Response (200):</p> <pre>{ "id": 101, "clientId": 25, "status": "pending", "subtotal": 400.00, "discount": 20.00, "tax": 70.00, "total": 450.00, "notes": "Updated notes", "validUntil": "2024-12-15", "updatedAt": "2024-11-27T11:00:00Z" }</pre>	Update quote
DELETE	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}	<p>Response (200):</p> <pre>{ "message": "Quote deleted successfully", "id": 101 }</pre> <p>Response (404):</p> <pre>{ "error": "Quote not found" }</pre>	Delete quote
GET	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}/pdf	<p>Response (200):</p> <pre>{ "filename": "quote_101.pdf", "url": "https://...../quote_101.pdf", "size": 245678, "generatedAt": "2024-11-27T12:00:00Z" }</pre>	Generate and download quote PDF
GET	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{quoteId}/items	<p>Response (200):</p> <pre>[{ "id": 501,</pre>	Obtain items/recipes of a quote

		<pre> "recipeld": 15, "recipeName": "Spaghetti Carbonara", "servings": 10, "pricePerServing": 8.50, "subtotal": 85.00, "notes": "Extra cheese" }, { "id": 502, "recipeld": 23, "recipeName": "Caesar Salad", "servings": 10, "pricePerServing": 6.00, "subtotal": 60.00, "notes": "" }] </pre>	
POST	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{quoteId}/items	<p>Request:</p> <pre> { "recipeld": 15, "servings": 10, "notes": "Extra cheese" } -----</pre> <p>Response (201):</p> <pre> { "id": 501, "quoteld": 101, "recipeld": 15, "recipeName": "Spaghetti Carbonara", "servings": 10, "pricePerServing": 8.50, "subtotal": 85.00, "notes": "Extra cheese", "createdAt": "2024-11-27T10:30:00Z" } </pre>	Add recipe to quote
PUT	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{quoteId}/items/{itemId}	<p>Request:</p> <pre> { "servings": 15, "notes": "Extra cheese and garlic" } -----</pre> <p>Response (200):</p> <pre> { "id": 501, "quoteld": 101, "recipeld": 15, "recipeName": "Spaghetti Carbonara", "servings": 15, "pricePerServing": 8.50, "subtotal": 127.50, "notes": "Extra cheese and garlic", "updatedAt": "2024-11-27T11:00:00Z" } </pre>	Update servings quantity of a recipe
DELETE	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{quoteId}/items/{itemId}	<p>Response (200):</p> <pre> { "message": "Item removed from quote successfully", "id": 501, "quoteld": 101 } -----</pre> <p>Response (404):</p>	Delete recipe from quote

		<pre>{ "error": "Item not found in quote" }</pre>	
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/{id}/pricing	<p>Response (200):</p> <pre>{ "recipeld": 15, "recipeName": "Spaghetti Carbonara", "costPerServing": 4.06, "pricePerServing": 8.50, "profitMargin": 52.3, "servings": 4, "totalCost": 16.25, "totalPrice": 34.00, "lastUpdated": "2024-11-25" }</pre>	Obtain basic price and cost information from recipe
POST	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}/calculations	<p>Request:</p> <pre>{ "items": [{ "recipeld": 15, "servings": 10 }, { "recipeld": 23, "servings": 10 }], "discountPercentage": 5, "taxRate": 8.5 }</pre> <hr/> <p>Response (200):</p> <pre>{ "subtotal": 145.00, "discount": 7.25, "subtotalAfterDiscount": 137.75, "tax": 11.71, "total": 149.46, "itemsBreakdown": [{ "recipeld": 15, "servings": 10, "pricePerServing": 8.50, "subtotal": 85.00 }, { "recipeld": 23, "servings": 10, "pricePerServing": 6.00, "subtotal": 60.00 }] }</pre>	Calculate quote totals
POST	https://t3-awd-recipe-management-system-2.onrender.com/discounts	<p>Request:</p> <pre>{ "name": "Holiday Special", "type": "percentage", "value": 10, "validFrom": "2024-12-01", "validUntil": "2024-12-31", "minAmount": 100.00, "active": true }</pre>	Create discount

		<pre>----- Response (201): { "id": 5, "name": "Holiday Special", "type": "percentage", "value": 10, "validFrom": "2024-12-01", "validUntil": "2024-12-31", "minAmount": 100.00, "active": true, "createdAt": "2024-11-27T10:00:00Z" }</pre>	
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URIs needed for Recipes Scaling Module

HTTP Method	URI	Type	Description
POST	https://t3-awd-recipe-management-system-2.onrender.com/recipe-scaling	<p>Request:</p> <pre>{ "recipId": 15, "recipeName": "Spaghetti Carbonara", "originalServings": 4, "targetServings": 12, "scaleFactor": 3.0, "scaledIngredients": [{ "ingredientId": 5, "name": "Tomatoes", "originalQuantity": 500, "scaledQuantity": 1500, "unit": "g" }, { "ingredientId": 12, "name": "Pasta", "originalQuantity": 400, "scaledQuantity": 1200, "unit": "g" }], "notes": "For wedding event" }</pre> <p>Response (201):</p> <pre>{ "id": 301, "recipId": 15, "recipeName": "Spaghetti Carbonara", "originalServings": 4, "targetServings": 12, "scaleFactor": 3.0, "notes": "For wedding event", "createdAt": "2024-11-27T10:00:00Z" }</pre>	Save recipe scaled
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipe-scalings/{id}/pdf	<p>Response (200):</p> <pre>{ "filename": "scaled_recipe_301.pdf", "url": "https://.....scaled_recipe_301.pdf", "size": 156789, "generatedAt": "2024-11-27T10:00:00Z" }</pre>	Generate PDF of specific recipe scaled

		"2024-11-27T12:00:00Z" }	
POST	https://t3-awd-recipe-management-system-2.onrender.com/recipe-scalings/calculations	<p>Request:</p> <pre>{ "recipieId": 15, "originalServings": 4, "targetServings": 12 }</pre> <hr/> <p>Response (200):</p> <pre>{ "recipieId": 15, "recipeName": "Spaghetti Carbonara", "originalServings": 4, "targetServings": 12, "scaleFactor": 3.0, "scaledIngredients": [{ "ingredientId": 5, "name": "Tomatoes", "originalQuantity": 500, "scaledQuantity": 1500, "unit": "g", "adjustmentNote": "Round to 1.5 kg" }, { "ingredientId": 12, "name": "Pasta", "originalQuantity": 400, "scaledQuantity": 1200, "unit": "g", "adjustmentNote": "Round to 1.2 kg" }, { "ingredientId": 8, "name": "Olive Oil", "originalQuantity": 50, "scaledQuantity": 150, "unit": "ml", "adjustmentNote": null }], "estimatedCost": 48.75, "costPerServing": 4.06 }</pre>	Calculate scale in real time
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/{id}/scaling-info	<p>Response (200):</p> <pre>{ "recipieId": 15, "recipeName": "Spaghetti Carbonara", "baseServings": 4, "ingredients": [{ "ingredientId": 5, "name": "Tomatoes", "quantity": 500, "unit": "g", "scalable": true, "notes": "Can be adjusted proportionally" }, { "ingredientId": 12, "name": "Pasta", "quantity": 400, "unit": "g", "scalable": true, "notes": "Can be adjusted proportionally" }] }</pre>	Obtain recipe scaling information

		<pre> "unit": "g", "scalable": true, "notes": "Adjust proportionally" }, { "ingredientId": 20, "name": "Salt", "quantity": 5, "unit": "g", "scalable": false, "notes": "Adjust to taste, not proportional" }], "scalingNotes": "Be careful with salt and spices", "recommendedMinServings": 2, "recommendedMaxServings": 50 } </pre>	
GET	https://t3-awd-recipe-management-stem-2.onrender.com/recipe-scalings	<p>Response (200):</p> <pre> [{ "id": 301, "recipId": 15, "recipeName": "Spaghetti Carbonara", "originalServings": 4, "targetServings": 12, "scaleFactor": 3.0, "createdAt": "2024-11-27" }, { "id": 302, "recipId": 23, "recipeName": "Caesar Salad", "originalServings": 4, "targetServings": 20, "scaleFactor": 5.0, "createdAt": "2024-11-26" }, { "id": 303, "recipId": 15, "recipeName": "Spaghetti Carbonara", "originalServings": 4, "targetServings": 8, "scaleFactor": 2.0, "createdAt": "2024-11-25" }] </pre>	Get list of all saved scalings
GET	https://t3-awd-recipe-management-stem-2.onrender.com/recipe-scalings/{id}	<p>Response (200):</p> <pre> { "id": 301, "recipId": 15, "recipeName": "Spaghetti Carbonara", "originalServings": 4, "targetServings": 12, "scaleFactor": 3.0, "scaledIngredients": [{ "ingredientId": 5, "name": "Tomatoes", "originalQuantity": 500, "scaledQuantity": 1500, "unit": "g" }] } </pre>	Get details of specific scaling

		<pre> }, { "ingredientId": 12, "name": "Pasta", "originalQuantity": 400, "scaledQuantity": 1200, "unit": "g" }, { "ingredientId": 8, "name": "Olive Oil", "originalQuantity": 50, "scaledQuantity": 150, "unit": "ml" }], "estimatedCost": 48.75, "costPerServing": 4.06, "notes": "For wedding event", "createdAt": "2024-11-27T10:00:00Z", "updatedAt": "2024-11-27T10:00:00Z" } </pre>	
PUT	https://t3-awd-recipe-management-stem-2.onrender.com/recipe-scalings/{id}	<p>Request:</p> <pre> { "targetServings": 15, "notes": "Updated for larger event" } -----</pre> <p>Response (200):</p> <pre> { "id": 301, "recipId": 15, "recipeName": "Spaghetti Carbonara", "originalServings": 4, "targetServings": 15, "scaleFactor": 3.75, "scaledIngredients": [{ "ingredientId": 5, "name": "Tomatoes", "originalQuantity": 500, "scaledQuantity": 1875, "unit": "g" }, { "ingredientId": 12, "name": "Pasta", "originalQuantity": 400, "scaledQuantity": 1500, "unit": "g" }], "notes": "Updated for larger event", "updatedAt": "2024-11-27T11:30:00Z" } </pre>	Update saved scaling
DELETE	https://t3-awd-recipe-management-stem-2.onrender.com/recipe-scalings/{id}	<p>Response (200):</p> <pre> { "message": "Recipe scaling deleted successfully", "id": 301 } -----</pre> <p>Response (404):</p> <pre>{ }</pre>	Delete scaling

		"error": "Recipe scaling not found" }	
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URIs for Recipes and Ingredients

HTTP Method	URI	Type	JSON	Description
GET	https://t3-awd-recipe-management-system-2.onrender.com/ingredients	Response	[{ "_id": "68fe8fed656fe7ed262998cd", "productId": "PROD003", "name": "Ron blanco", "category": "Licores", "product": "Ron Castillo", "brand": "Castillo", "size": 750, "sizeUnit": "ml", "price": 8.5, "availableUnits": 12, "supplier": "Mi Comisariato", "isActive": true }]	Obtain a list of all ingredients.
GET	https://t3-awd-recipe-management-system-2.onrender.com/ingredients/{id}	Response	{ "_id": "68fe8fed656fe7ed262998cd", "productId": "PROD003", "name": "Ron blanco", "category": "Licores", "product": "Ron Castillo", "brand": "Castillo", "size": 750, "sizeUnit": "ml", "price": 8.5, "availableUnits": 12, "supplier": "Mi Comisariato" }	Get details of a specific ingredient for id.
POST	https://t3-awd-recipe-management-system-2.onrender.com/ingredients	Request/Response	{ "productId": "PROD010", "name": "Jugo de naranja", "category": "Jugos", "product": "Jugo natural", "brand": "Tropic", "size": 1000, "sizeUnit": "ml", "price": 2.5, "availableUnits": 20, "supplier": "AKI" } ----- { "_id": "68ff1111656fe7ed26299999", "productId": "PROD010", "name": "Jugo de naranja", "category": "Jugos", "product": "Jugo natural", "brand": "Tropic", "size": 1000, "sizeUnit": "ml", "price": 2.5, "availableUnits": 20, "supplier": "AKI" }	Create a new ingredient.

			<pre>"availableUnits": 20, "supplier": "AKI", "isActive": true }</pre>	
PUT	https://t3-awd-recipe-management-system-2.onrender.com/ingredients/{id}	Request/Response	<pre>{ "name": "Ron blanco añejo", "price": 9.25, "availableUnits": 10 } ----- { "_id": "68fe8fed656fe7ed262998cd", "productId": "PROD003", "name": "Ron blanco añejo", "category": "Licores", "product": "Ron Castillo", "brand": "Castillo", "size": 750, "sizeUnit": "ml", "price": 9.25, "availableUnits": 10, "supplier": "Mi Comisariato", "isActive": true }</pre>	Update existing ingredient.
DELETE	https://t3-awd-recipe-management-system-2.onrender.com/ingredients/{id}	Response	<pre>{ "message": "Ingrediente desactivado correctamente" }</pre>	Delete an ingredient.
GET	https://t3-awd-recipe-management-system-2.onrender.com/ingredients/category/{category}	Response	<pre>[{ "_id": "68fe8fed656fe7ed262998cd", "name": "Ron blanco", "category": "Licores", "product": "Ron Castillo", "brand": "Castillo" }]</pre>	Get ingredients filtered by category
GET	https://t3-awd-recipe-management-system-2.onrender.com/ingredients/search/{name}	Response	<pre>[{ "_id": "68fe8fed656fe7ed262998cd", "name": "Ron blanco", "productId": "PROD003" }]</pre>	Search ingredients by name
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes	Response	<pre>[{ "_id": "68fe8dda656fe7ed262998ca", "name": "Cuba Libre", "category": "cocktail", "servings": 1 }]</pre>	Get list of all recipes
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/{id}	Response	<pre>{ "_id": "68fe8dda656fe7ed262998ca", "name": "Cuba Libre", }</pre>	Get specific recipe details.

			<pre> "servings": 1, "description": "Classic refreshing Cuban cocktail", "ingredients": [{ "ingredientName": "Hielo", "productId": "PROD001", "quantity": 200, "unit": "g" }, { "ingredientName": "Ron blanco", "productId": "PROD003", "quantity": 45, "unit": "ml" }], "instructions": ["Llenar un vaso highball con hielo", "Verter el ron sobre el hielo", "Completar con Coca Cola", "Aregar un dash de jugo de lima", "Mezclar suavemente y servir"], "costPerServing": 1.8, "pricePerServing": 3.6, "category": "cocktail" } </pre>	
POST	https://t3-awd-recipe-management-system-2.onrender.com/recipes	Request	<pre> { "name": "Margarita", "servings": 1, "description": "Mexican tequila cocktail", "category": "cocktail", "ingredients": [{ "ingredientName": "Tequila", "productId": "PROD010", "quantity": 50, "unit": "ml" }, { "ingredientName": "Triple Sec", "productId": "PROD011", "quantity": 25, "unit": "ml" }, { "ingredientName": "Lima", "productId": "PROD007", "quantity": 20, "unit": "ml" }], "instructions": ["Aregar ingredientes al shaker", "Agitar", "Servir en copa escarchada"] } </pre>	Create a new recipe.
PUT	https://t3-awd-recipe-management-system-2.onrender.com/recipes/{id}	Request	<pre>{ "name": "Cuba Libre Especial", "servings": 2 }</pre>	Update existing recipe.
DELETE	https://t3-awd-recipe-management-system-2.onrender.com/recipes	Response	{}	Delete recipe.

	agement-system-2.onrender.com/recipes/{id}		{"message": "Recipe deleted"} }	
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/category/{category}	Response	[{ "_id": "68fe8dda656fe7ed262998ca", "name": "Cuba Libre", "category": "cocktail" }]	List recipes filtered by category.
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/search/{query}	Response	[{ "_id": "68fe8dda656fe7ed262998ca", "name": "Cuba Libre" }]	Search recipes by name or keywords.
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/{id}/ingredients	Response	[{ "ingredientName": "Hielo", "productId": "PROD001", "quantity": 200, "unit": "g" }, { "ingredientName": "Ron blanco", "productId": "PROD003", "quantity": 45, "unit": "ml" }]	Get only the ingredients list for a recipe.
POST	https://t3-awd-recipe-management-system-2.onrender.com/recipes/{id}/ingredients	Request	{ "ingredientName": "Azúcar", "productId": "PROD020", "quantity": 10, "unit": "g" }	Add ingredient to recipe
DELETE	https://t3-awd-recipe-management-system-2.onrender.com/recipes/{id}/ingredients/{ingredientId}	Response	{ "message": "Ingredient removed from recipe" }	Remove ingredient from recipe

URIs needed for Client Module

HTTP Method	URI	Type	Description

GET	https://t3-awd-recipe-management-system-2.onrender.com/clients	<p>Response (200):</p> <pre>[{ "id": 25, "name": "Restaurant Del Mar", "email": "contact@delmar.com", "phone": "+1-555-0101", "type": "Restaurant", "createdAt": "2024-11-20" }, { "id": 28, "name": "Cafe Central", "email": "manager@cafecentral.com", "phone": "+1-555-0202", "type": "Cafe", "createdAt": "2024-11-22" }]</pre>	Obtain a list of all clients.
GET	https://t3-awd-recipe-management-system-2.onrender.com/clients/{id}	<p>Response (200):</p> <pre>{ "id": 25, "name": "Restaurant Del Mar", "email": "contact@delmar.com", "phone": "+1-555-0101", "address": "Ocean Drive 123, Miami", "taxId": "1234567890", "type": "Restaurant", "contactPerson": "Maria Rodriguez", "createdAt": "2024-11-20" }</pre>	Get details of a specific client by id.

POST	https://t3-awd-recipe-management-system-2.onrender.com/clients	<p>Request:</p> <pre>{ "name": "Hotel Plaza", "email": "info@hotelplaza.com", "phone": "+1-555-0303", "address": "Main Square 45, Quito", "type": "Hotel" }</pre> <p>Response (201):</p> <pre>{ "id": 30, "name": "Hotel Plaza", "email": "info@hotelplaza.com", "phone": "+1-555-0303", "type": "Hotel", "createdAt": "2024-11-27T14:00:00Z" }</pre>	Create a new client.
PUT	https://t3-awd-recipe-management-system-2.onrender.com/clients/{id}	<p>Request:</p> <pre>{ "phone": "+1-555-9999", "contactPerson": "Carlos Perez" }</pre> <p>Response (200):</p> <pre>{ "id": 25, "name": "Restaurant Del Mar", "email": "contact@delmar.com", "phone": "+1-555-9999", "address": "Ocean Drive 123, Miami", "contactPerson": "Carlos Perez", "updatedAt": "2024-11-27T15:30:00Z" }</pre>	Update existing client details.
DELETE	https://t3-awd-recipe-management-system-2.onrender.com/clients/{id}	<p>Response (200):</p> <pre>{ "message": "Client deleted successfully", "id": 30 }</pre>	Delete a client.

GET	<code>https://t3-awd-recipe-management-system-2.onrender.com/clients/search/{query}</code>	Response (200): <pre>[{ "id": 25, "name": "Restaurant Del Mar", "email": "contact@delmar.com" }]</pre>	Search clients by name or email.
GET	<code>https://t3-awd-recipe-management-system-2.onrender.com/clients/email/{email}</code>	Response (200): <pre>{ "id": 28, "name": "Cafe Central", "email": "manager@cafecentral.com", "phone": "+1-555-0202", "status": "active" }</pre>	Get client by email address.
GET	<code>https://t3-awd-recipe-management-system-2.onrender.com/clients/phone/{phone}</code>	Response (200): <pre>{ "id": 25, "name": "Restaurant Del Mar", "phone": "+1-555-0101", "email": "contact@delmar.com", "status": "active" }</pre>	Get client by phone number.

URIs needed for Login Module

HTTP Method	URI	Type	Description

GET	https://accounts.google.com/o/oauth2/v2/auth	Response (Redirect): Redirecciona al usuario a la pantalla de inicio de sesión de Google. No devuelve JSON directo, sino una vista HTML o una redirección 302.	Start OAuth flow (chef logs in with Google).
POST	https://oauth2.googleapis.com/token	Response (200): <pre>{ "access_token": "ya29.a0AfH6...", "expires_in": 3599, "scope": "https://www.googleapis.com/auth/calendar", "token_type": "Bearer", "id_token": "eyJhbGciOiJSUzI..." }</pre>	Google Auth Exchange authorization code for access/refresh tokens.
POST	https://oauth2.googleapis.com/tokeninfo	Response (200): <pre>{ "azp": "your-client-id.apps.googleusercontent.com", "aud": "your-client-id.apps.googleusercontent.com", "sub": "10769...", "email": "chef@dishdash.com", "email_verified": "true", "exp": "1700000000" }</pre>	Google Auth Validate or inspect an access token.
POST	https://oauth2.googleapis.com/revoke	Response (200): <pre>{ "success": true }</pre>	Google Auth Revoke a refresh or access token (disconnect Google account).

URIs needed for Quote Request Module

HTTP Method	URI	Type	Description
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes	<p>Response (200):</p> <pre>[{ "id": 15, "name": "Spaghetti Carbonara", "category": "Main Course", "basePrice": 8.50 }, { "id": 23, "name": "Caesar Salad", "category": "Starter", "basePrice": 6.00 }]</pre>	Get list of all available recipes for quote selection.
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/category/{category}	<p>Response (200):</p> <pre>[{ "id": 50, "name": "Tiramisu", "category": "Desserts", "basePrice": 5.50 }]</pre>	Get recipes filtered by category (drinks, desserts, mains).
GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/search/{query}	<p>Response (200):</p> <pre>[{ "id": 15, "name": "Spaghetti Carbonara", "matchScore": 0.95 }]</pre>	Search recipes by name or description.

GET	https://t3-awd-recipe-management-system-2.onrender.com/recipes/{id}/price	<p>Response (200):</p> <pre>{ "recipId": 15, "name": "Spaghetti Carbonara", "costPerServing": 4.06, "suggestedPrice": 8.50, "profitMargin": "52%" }</pre>	Get pricing information for a specific recipe before adding to quote.
POST	https://t3-awd-recipe-management-system-2.onrender.com/quotes	<p>Request:</p> <pre>{ "clientId": 25, "items": [{ "recipId": 15, "servings": 20 }, { "recipId": 23, "servings": 20 }], "notes": "Birthday Event" }</pre> <p>Response (201):</p> <pre>{ "id": 105, "clientId": 25, "status": "draft", "total": 290.00, "itemCount": 2, "createdAt": "2024-11-27T16:00:00Z" }</pre>	Create a new quote request with client info and selected products.

URIs needed for Quote History Module

HTTP Method	URI	Type	Description

GET	https://t3-awd-recipe-management-system-2.onrender.com/quotes	<p>Response (200):</p> <pre>[{ "id": 105, "clientId": 25, "clientName": "Restaurant Del Mar", "status": "draft", "total": 290.00, "date": "2024-11-27" }, { "id": 101, "clientId": 25, "clientName": "Restaurant Del Mar", "status": "pending", "total": 450.00, "date": "2024-11-25" }]</pre>	Get list of all quotes.
GET	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}	<p>Response (200):</p> <pre>{ "id": 101, "clientId": 25, "status": "pending", "items": [{ "recipeName": "Spaghetti Carbonara", "servings": 50, "unitPrice": 8.50, "subtotal": 425.00 }], "tax": 25.00, "total": 450.00, "validUntil": "2024-12-10" }</pre>	Get details of a specific quote by id.
PUT	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}	<p>Request:</p> <pre>{ "status": "approved", "notes": "Client confirmed via phone" } r></pre> <p>Response (200):</p> <pre>{ "id": 101, "status": "approved", "updatedAt": "2024-11-27T17:00:00Z" }</pre>	Update existing quote (e.g., change status to approved).

DELETE	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}	<p>Response (200):</p> <pre>{ "message": "Quote 105 deleted successfully", "id": 105 }</pre>	Cancel/Delete a quote (usually pending/draft quotes only).
GET	https://t3-awd-recipe-management-system-2.onrender.com/quotes/status/{status}	<p>Response (200):</p> <pre>[{ "id": 101, "clientName": "Restaurant Del Mar", "total": 450.00 }]</pre>	Get quotes filtered by status (pending, approved, cancelled).
GET	https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}/pdf	<p>Response (200):</p> <pre>{ "id": 101, "url": "https://storage.googleapis.com/reports/quote_101.pdf", "expiresIn": "1h" }</pre>	Get download link for quote PDF.
GET	https://t3-awd-recipe-management-system-2.onrender.com/quotes/client/{clientId}	<p>Response (200):</p> <pre>[{ "id": 101, "status": "pending", "total": 450.00 }, { "id": 105, "status": "draft", "total": 290.00 }]</pre>	Get all quotes for a specific client (History per client).

URIs needed for Calendar Module

HTTP Method	URI	Type	JSON	Description
GET	https://t3-awd-recipe-management-system-2.onrender.com/calendar/events	Response	<pre>[{ ... }]</pre>	Get all local calendar events (manual + auto-synced).

			<pre> "_id": "6913dbeaea8eb9d44860657d", "title": "Evento Empresarial - Eventos ML", "eventType": "Custom", "startDate": "2024-11-15T18:00:00.000+00:00", "time": "22:30", "priority": "High" }] </pre>	
GET	https://t3-awd-recipe-management-syste-m-2.onrender.com/calendar/events/{id}	Response	<pre> "_id": "6913dbeaea8eb9d44860657d", "title": "Evento Empresarial - Eventos ML", "description": "Catering para evento corporativo - 50 personas", "eventType": "Custom", "startDate": "2024-11-15T18:00:00.000+00:00", "time": "22:30", "priority": "High", "relatedQuotationId": "6913d73bea8eb9d44860657e", "contact": "Pablo Herrera", "reminder": true } </pre>	Get details of a specific local event.
POST	https://t3-awd-recipe-management-syste-m-2.onrender.com/calendar/events	Request/Response	<pre> "title": "Evento Empresarial - Eventos ML", "description": "Catering para evento corporativo - 50 personas", "eventType": "Custom", "startDate": "2024-11-15T18:00:00.000+00:00", "time": "22:30", "priority": "High", "relatedQuotationId": "6913d73bea8eb9d44860657e", "contact": "Pablo Herrera", } </pre>	Create a new local event; optionally sync to Google Calendar.

			<pre> "reminder": true, "syncToGoogle": true } ----- { "message": "Event created successfully" } </pre>	
PUT	https://t3-awd-recipe-management-system-2.onrender.com/calendar/events/{id}	Request/Response	<pre> { "title": "Evento Empresarial - Eventos ML (Actualizado)", "description": "Catering para evento corporativo - 60 personas", "eventType": "Custom", "startDate": "2024-11-15T20:00:00.000+00:00", "time": "23:00", "priority": "High", "relatedQuotationId": "6913d73bea8eb9d44860657e", "contact": "Pablo Herrera", "reminder": true } ----- { "message": "Event updated successfully" } </pre>	Update an existing local event and sync the update to Google Calendar.
DELETE	https://t3-awd-recipe-management-system-2.onrender.com/calendar/events/{id}	Request	<pre> { "message": "Event deleted successfully" } </pre>	Delete a local event and remove it from Google Calendar if linked.
PATCH	https://t3-awd-recipe-management-system-2.onrender.com/calendar/events/{id}/status	Request/Response	<pre> { "status": "completed" } ----- { "message": "Event status updated successfully" } </pre>	Update the status of an event (pending, completed, etc.).
POST	https://t3-awd-recipe-management-system-2.onrender.com/calendar/sync/quotes	Request/Response	<pre> { "quotationIds": ["6913d73bea8eb9d44860657e", "6913d73bea8eb9d448606580"] } </pre>	Generate events from quotes and push them to Google Calendar.

			<pre> } ----- { "message": "Quotation events created and synced to Google Calendar" } </pre>	
GET	https://t3-awd-recipe-management-syste-m-2.onrender.com/calendar/upcoming	Response	<pre> [{ "_id": "6913dbeaea8eb9d44860657d", "title": "Evento Empresarial - Eventos ML", "startDate": "2024-11-15T18:00:00.000+00:00", "priority": "High" }] </pre>	Get upcoming deliveries and pending tasks.
GET	https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events	Response	<pre> { "kind": "calendar#events", "items": [{ "id": "abc123", "summary": "Evento Empresarial - Eventos ML", "description": "Catering para evento corporativo - 50 personas", "start": { "dateTime": "2024-11-15T18:00:00Z" }, "end": { "dateTime": "2024-11-15T23:00:00Z" } }] } </pre>	Retrieve all events from Google Calendar.
GET	https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events/{eventId}	Response	<pre> { "id": "abc123", "summary": "Evento Empresarial - Eventos ML", "start": { "dateTime": "2024-11-15T18:00:00Z" }, "end": { "dateTime": "2024-11-15T23:00:00Z" } } </pre>	Get a specific Google Calendar event.

POST	https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events	Request	<pre>{ "summary": "Evento Empresarial - Eventos ML", "description": "Catering para evento corporativo - 50 personas", "start": { "dateTime": "2024-11-15T18:00:00.000Z" }, "end": { "dateTime": "2024-11-15T22:30:00.000Z" } } ----- { "id": "abc123googleeventid", "status": "confirmed" }</pre>	Create a new event in Google Calendar.
PATCH	https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events/{eventId}	Request/Response	<pre>{ "summary": "Evento Empresarial - Actualizado", "description": "Catering corporativo actualizado para 60 personas", "start": { "dateTime": "2024-11-15T20:00:00.000Z" }, "end": { "dateTime": "2024-11-16T00:00:00.000Z" } } ----- { "message": "Google Calendar event updated" }</pre>	Update an existing Google Calendar event.
DELETE	https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events/{eventId}	Request	<pre>{ "message": "Google Calendar event deleted" }</pre>	Delete an event from Google Calendar.