

Recipe Management System (DishDash) URIs

URIs needed for Cost Analysis Module

| HTTP Method | URI | Type | Description |
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| 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/ingredient-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": [{ "ingredientId": 5, "ingredientName": "Tomates", "supplierId": 1, "supplierName": "Mi Comisariato", "price": 2.50, "unit": "kg", "lastUpdated": "2024-11-20", "availability": "In stock" }, { "ingredientId": 11, "ingredientName": "Tomates", "supplierId": 2, "supplierName": "TIA S.A", "price": 2.30, "unit": "kg", "lastUpdated": "2024-11-21" }] } | Calculate cost analysis in real time for a recipe |

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| | | <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 | <pre> Request: { "recipeId": 15, "totalCost": 16.25, "profitMargin": 40, "suggestedPrice": 27.08, "notes": "Holiday menu pricing" } ----- Response (201): { "id": 45, "recipeId": 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 | <pre> Response (200): [{ "id": 45, "recipeId": 15, "recipeName": "Spaghetti Carbonara", "totalCost": 16.25, "suggestedPrice": 27.08, "createdAt": "2024-11-27" }, { "id": 46, "recipeId": 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} | <pre> Response (200): { "id": 45, "recipeId": 15, "recipeName": "Spaghetti Carbonara", "totalCost": 16.25, "profitMargin": 40, "suggestedPrice": 27.08, "notes": "Holiday menu pricing", "breakdown": { </pre> | Obtain detail of specific cost analysis |

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| | | <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} | <pre>Request: { "profitMargin": 45, "suggestedPrice": 29.56, "notes": "Updated for premium menu" } Response (200): { "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} | <pre>Response (200): { "message": "Cost quote deleted successfully", "id": 45 } Response (404): { "error": "Cost quote not found" }</pre> | Delete cost analysis |
| GET | https://t3-awd-recipe-management-system-2.onrender.com/recipes/{recipeId}/cost-quotes | <pre>Response (200): [{ "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 | <pre>Response (200): [{ "id": 1, "name": "Standard Markup", "formula": "cost * (1 + margin)", "description": "Simple percentage markup" }, {</pre> | Obtain price formulas available |

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| | | <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} | Response (200): <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 | Response (200): <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 | Request: <pre>{ "salesTax": 9.0, "serviceTax": 5.5, "vatRate": 0 }</pre> <hr/> Response (200): <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 |
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| GET | https://t3-awd-recipe-management-system-2.onrender.com/quotes | Response (200): <pre>[{ "id": 101, "clientId": 25, "clientName": "Restaurant Del Mar", "status": "pending", "total": 450.00, "createdAt": "2024-11-25" }, { "id": 102,</pre> | Obtain quote list |

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| | | <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} | Response (200): <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 | Response (200): <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} | Response (200): <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 | Request: <pre>{ "clientId": 25,</pre> | Create new quote |

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| | | <pre>"validUntil": "2024-12-10", "notes": "Event for 50 people", "discount": 0 } ----- Response (201): { "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} | <pre>Request: { "status": "pending", "validUntil": "2024-12-15", "notes": "Updated notes", "discount": 5 } ----- Response (200): { "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} | <pre>Response (200): { "message": "Quote deleted successfully", "id": 101 } Response (404): { "error": "Quote not found" }</pre> | Delete quote |
| GET | https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}/pdf | <pre>Response (200): { "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 | <pre>Response (200): [{ "id": 501,</pre> | Obtain items/recipes of a quote |

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| | | <pre> "recipeId": 15, "recipeName": "Spaghetti Carbonara", "servings": 10, "pricePerServing": 8.50, "subtotal": 85.00, "notes": "Extra cheese" }, { "id": 502, "recipeId": 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> { "recipeId": 15, "servings": 10, "notes": "Extra cheese" } </pre> <hr/> <p>Response (201):</p> <pre> { "id": 501, "quoteId": 101, "recipeId": 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> <hr/> <p>Response (200):</p> <pre> { "id": 501, "quoteId": 101, "recipeId": 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, "quoteId": 101 } </pre> <hr/> <p>Response (404):</p> | Delete recipe from quote |

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| | | <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>{ "recipeId": 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": [{ "recipeId": 15, "servings": 10 }, { "recipeId": 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": [{ "recipeId": 15, "servings": 10, "pricePerServing": 8.50, "subtotal": 85.00 }, { "recipeId": 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 |

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

| HTTP Method | URI | Type / JSON Response | Description |
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| POST | https://recipemanagement-caj9.onrender.com/dishdash/recipe/{id}/scale | <p>Request:</p> <pre>{ "newServings": 6 }</pre> <p>(Optional: "profitMargin": 0.30)</p> <p>Response (201):</p> <pre>{ "message": "Recipe scaled and saved successfully", "scaledRecipe": { "recipeId": "68fe...", "recipeName": "Spaghetti Carbonara", "category": "Main Course", "scaling": { "originalServings": 4, "newServings": 6, "scaleFactor": 1.5 }, "ingredients": [{ "ingredientName": "Pasta", "originalQuantity": 400, "scaledQuantity": 600, "scaledUnit": "g", "cost": 3.50 }] } }</pre> | <p>Create a new scaling.</p> <p>Calculates ingredient quantities and costs based on newServings. profitMargin defaults to 1.0 (100%) if not sent².</p> |
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| | | <pre> }], "costs": { "totalCost": 12.50, "profitMargin": "100%", "pricePerServing": 4.16 }, "supplies": [] } } </pre> | |
| GET | https://recipemanagement-caj9.onrender.com/dishdash/scaled-recipes | <p>Response (200):</p> <pre> [{ "_id": "789ghi...", "recipeName": "Spaghetti Carbonara", "scaling": { "newServings": 6 }, "costs": { "totalPrice": 25.00 }, "createdAt": "2024-12-18T10:00:00Z" }] </pre> | <p>Obtain list of all scaled recipes.</p> <p>Returns all active scalings sorted by creation date (newest first)³.</p> |

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| GET | https://recipemanagement-caj9.onrender.com/dishdash/scaled-recipes/recipe/{recipeId} | Response (200): [{ "_id": "789ghi...", "recipeId": "68fe...", "recipeName": "Spaghetti Carbonara", "scaling": { "newServings": 6 }, "createdAt": "2024-12-18T10:00:00Z" }] | Obtain history of scalings per recipe. Finds all scaled versions associated with a specific parent recipe ID ⁴ . |
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| GET | https://recipemanagement-caj9.onrender.com/dishdash/scaled-recipes/{id} | <p>Response (200):</p> <pre>{ "_id": "789ghi...", "recipeId": "68fe...", "recipeName": "Spaghetti Carbonara", "scaling": { "originalServings": 4, "newServings": 6, "scaleFactor": 1.5 }, "ingredients": [...], "costs": { "totalCost": 12.50, "costPerServing": 2.08 } }</pre> | <p>Obtain details of a specific scaled recipe.</p> <p>Returns full details of a previously saved scaling calculation⁵.</p> |
| DELETE | https://recipemanagement-caj9.onrender.com/dishdash/scaled-recipes/{id} | <p>Response (200):</p> <pre>{ "message": "Scaled recipe deactivated successfully", "scaledRecipe": { "_id": "789ghi...", "isActive": false, "deletedAt": "2024-12-18T12:00:00Z" } }</pre> | <p>Delete (Deactivate) a scaled recipe.</p> <p>Sets the isActive flag to false instead of removing it from the database⁶.</p> |

URIs for Recipes and Ingredients

| HTTP Method | URI | Type | JSON | Description |
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| 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/ngredients | 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": "68ff1111656fe7ed262999999", "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. |

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| | | | <pre> "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", "servings": 1, "description": "Classic refreshing </pre> | Get specific recipe details. |

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| | | | 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", "Agregar un dash de jugo de lima", "Mezclar suavemente y servir"], "costPerServing": 1.8, "pricePerServing": 3.6, "category": "cocktail" } } | |
| POST | https://t3-awd-recipe-management-system-2.onrender.com/recipes | Request | { "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": ["Agregar ingredientes al shaker", "Agitar", "Servir en copa escarchada"] } } | Create a new recipe. |
| PUT | https://t3-awd-recipe-management-system-2.onrender.com/recipes/{id} | Request | { "name": "Cuba Libre Especial", "servings": 2 } } | Update existing recipe. |
| DELETE | https://t3-awd-recipe-management-system-2.onrender.com/recipes/{id} | Response | { "message": "Recipe deleted" } } | Delete recipe. |
| GET | https://t3-awd-recipe-manag | Response | [| List recipes filtered |

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| | ement-system-2.onrender.com/recipes/category/{category} | | { "_id": "68fe8dda656fe7ed262998ca", "name": "Cuba Libre", "category": "cocktail" } | 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 |
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| GET | https://t3-awd-recipe-management-system-2.onrender.com/clients | Response (200): <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} | Response (200): <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 | Request: <pre>{ "name": "Hotel Plaza", "email": "info@hotelplaza.com", "phone": "+1-555-0303", "address": "Main Square 45, Quito", "type": "Hotel" }</pre> Response (201): <pre>{ "id": 30, "name": "Hotel Plaza", "email": "info@hotelplaza.com", "phone": "+1-555-0303", "type": "Hotel", }</pre> | Create a new client. |

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| | | <pre>"createdAt": "2024-11-27T14:00:00Z" }</pre> | |
| PUT | https://t3-awd-recipe-management-system-2.onrender.com/clients/{id} | <pre>Request: { "phone": "+1-555-9999", "contactPerson": "Carlos Perez" } Response (200): { "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} | <pre>Response (200): { "message": "Client deleted successfully", "id": 30 }</pre> | Delete a client. |
| GET | https://t3-awd-recipe-management-system-2.onrender.com/clients/search/{query} | <pre>Response (200): [{ "id": 25, "name": "Restaurant Del Mar", "email": "contact@delmar.com" }]</pre> | Search clients by name or email. |

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

URIs needed for Login Module

| HTTP Method | URI | Type | Description |
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| 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): { "access_token": "ya29.a0AfH6...", "expires_in": 3599, } | Google Auth Exchange authorization code for access/refresh tokens. |

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| | | <pre>"scope": "https://www.googleapis.co m/auth/calendar", "token_type": "Bearer", "id_token": "eyJhbGciOiJSUzI1..." }</pre> | |
| POST | https://oauth2.googleapis.com/tokeninfo | <p>Response (200):</p> <pre>{ "azp": "your-client-id.apps.googleu sercontent.com", "aud": "your-client-id.apps.googleu sercontent.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 | <p>Response (200):</p> <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 |
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| GET | https://t3-awd-recipe-management-system-2.onrender.com/recipes | Response (200): <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} | Response (200): <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} | Response (200): <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 | Response (200): <pre>{ "recipeId": 15, "name": "Spaghetti Carbonara", "costPerServing": 4.06, "suggestedPrice": 8.50, "profitMargin": "52%" }</pre> | Get pricing information for a specific recipe before adding to quote. |

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| POST | https://t3-awd-recipe-management-system-2.onrender.com/quotes | Request: <pre>{ "clientId": 25, "items": [{ "recipeId": 15, "servings": 20 }, { "recipeId": 23, "servings": 20 }], "notes": "Birthday Event" }</pre> Response (201): <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 |
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| GET | https://t3-awd-recipe-management-system-2.onrender.com/quotes | Response (200): <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", </pre> | Get list of all quotes. |

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| | | <pre>"total": 450.00, "date": "2024-11-25" }]</pre> | |
| 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" }</pre> <p>r></p> <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). |

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| GET | https://t3-awd-recipe-management-system-2.onrender.com/quotes/{id}/pdf | Response (200): { "id": 101, "url": "https://storage.googleapis.com/reports/quote_101.pdf", "expiresIn": "1h" } | Get download link for quote PDF. |
| GET | https://t3-awd-recipe-management-system-2.onrender.com/quotes/client/{clientId} | Response (200): [{ "id": 101, "status": "pending", "total": 450.00 }, { "id": 105, "status": "draft", "total": 290.00 }] | 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 | [{ "_id": "6913dbeaea8eb9d44860657d", "title": "Evento Empresarial - Eventos ML", "eventType": "Custom", "startDate": "2024-11-15T18:00:00.000+00:00", "time": "22:30", "priority": "High" }] | Get all local calendar events (manual + auto-synced). |
| GET | https://t3-awd-recipe-management-system-2.onrender.com/calendar/events/{id} | Response | { "_id": "6913dbeaea8eb9d44860657d", } | Get details of a specific local event. |

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| | | | <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", "reminder": true } </pre> | |
| POST | https://t3-awd-recipe-management-system-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", "reminder": true, "syncToGoogle": true } ----- { "message": "Event created successfully" } </pre> | Create a new local event; optionally sync to Google Calendar. |
| 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", </pre> | Update an existing local event and sync the update to Google Calendar. |

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| | | | <pre> "priority": "High", "relatedQuotationId": "6913d73bea8eb9d44860657e ", "contact": "Pablo Herrera", "reminder": true } ----- { "message": "Event updated successfully" } </pre> | |
| 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 "] } ----- { "message": "Quotation events created and synced to Google Calendar" } </pre> | Generate events from quotes and push them to Google Calendar. |
| GET | https://t3-awd-recipe-management-system-2.onrender.com/calendar/upcoming | Response | <pre> [{ "_id": "6913dbeaea8eb9d44860657d ", "title": "Evento Empresarial - Eventos ML", "startDate": "2024-11-15T18:00:00.000+00: 00", </pre> | Get upcoming deliveries and pending tasks. |

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| | | | <pre> "priority": "High" }] </pre> | |
| 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. |

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| 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" } }</pre> <pre>{ "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. |

URIs needed for Conversions and Units

| HTTP Method | URI | Type | JSON | Description |
|-------------|---|------------------|--|---|
| GET | https://t3-awd-recipe-management-system-2.onrender.com/dishdash/conversions | Response | <pre>{ "_id": "69447cbe78d0129467ec2c16", "value": 50, "fromUnit": "g", "toUnit": "ml", "result": 53.1914893617021, "densityUsed": 0.94, "ingredientId": "PROD003", "ingredientName": "Ron blanco", "createdAt": "2025-12-18T22:14:22.501Z", "updatedAt": "2025-12-18T22:14:22.501Z", "__v": 0 }</pre> | Obtain all conversions performed with their corresponding information |
| POST | https://t3-awd-recipe-management-system-2.onrender.com/dish | Request/Response | <pre>{ "value": 50, }</pre> | It performs the ingredient |

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| | dash/conversion | | <pre> "fromUnit": "g", "toUnit": "ml", "ingredientId": "PROD003" } — { "value": 100, "fromUnit": "g", "toUnit": "ml", "density": 0.85 } ----- { "from": "50 g", "to": "53.19 ml", "densityUsed": 0.94 } </pre> | conversion by its code or by passing its density value to be exact |
| POST | https://t3-awd-recipe-management-system-2.onrender.com/dishdash/conversion/kitchen | Request/Response | <pre> { "value": 50, "fromUnit": "g", "toUnit": "ml", "ingredientId": "PROD003" } ----- { "from": "50 g", "to": "3 tbsp + 2 tsp", "densityUsed": 0.94 } </pre> | Performs conversions to cooking units |
| GET | https://t3-awd-recipe-management-system-2.onrender.com/dishdash/units | Response | <pre> { "weight": ["g", "kg", "oz", "lb"], "volume": ["ml", "l", "cup", "tbsp", "tsp"], "special": ["kitchen"] } </pre> | It retrieves all the units in which conversions can be performed. |

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| | | | } | |
| GET | https://t3-awd-recipe-management-system-2.onrender.com/dishdash/unitsall | Response | <pre>[{ "_id": "69446aecefe733a65a0b1e34", "name": "g", "type": "weight", "toBase": 1, "isActive": true }, { "_id": "69446b03efe733a65a0b1e35", "name": "kg", "type": "weight", "toBase": 1000, "isActive": true }, { "_id": "69446b11efe733a65a0b1e36", "name": "oz", "type": "weight", "toBase": 28.3495, "isActive": true }]</pre> | It retrieves all the units into which conversions can be made, including your information. |