

## Recipe Management System (DishDash) URIs

### URIs needed for Cost Analysis Module

HTTP Method	URI	Type	Json	Description
POST	<a href="https://recipemanagement-caj9.onrender.com/dishdash/costanalysis/calculate">https://recipemanagement-caj9.onrender.com/dishdash/costanalysis/calculate</a>	BUSINESS RULE	<p>Request:</p> <pre>{   "recipeId": "68fe8dda656fe7ed262998ca",   "selectedIngredients": [     {       "productId": "PROD004",       "quantity": 450,       "unit": "ml"     },     {       "productId": "PROD005",       "quantity": 50,       "unit": "ml"     },     {       "productId": "PROD007",       "quantity": 15,       "unit": "ml"     }   ],   "ivaPercent": 12,   "servicePercent": 10 }</pre>	Calculate recipe cost and suggested price
GET	<a href="https://recipemanagement-caj9.onrender.com/dishdash/costanalysis/recipe/{id}/ingredients-options">https://recipemanagement-caj9.onrender.com/dishdash/costanalysis/recipe/{id}/ingredients-options</a>	BUSINESS RULE	<p>Response (200):</p> <pre>{   "recipeId": "68fe8dda656fe7ed262998ca",   "name": "Cuba Libre",   "servings": 3,   "items": [     {       "ingredient": {         "ingredientName": "Ron blanco",         "quantity": 450,         "unit": "ml"       },       "options": [         {           "_id": "68fe90ba656fe7ed262998cf",           "productId": "PROD004",           "name": "Ron blanco",           "product": "Ron Bacardí Superior",           "brand": "Bacardí",           "size": 750,           "sizeUnit": "ml",           "price": 12.9,           "supplier": "TIA S.A"         }       ]     },     {       "ingredient": {         "ingredientName": "Coca Cola",         "quantity": 50,         "unit": "ml"       },       "options": [         { </pre>	Obtain recipe ingredients with available product options

			<pre>         "_id": "68fe90d7656fe7ed262998d0",         "productId": "PROD005",         "name": "Coca Cola",         "product": "Coca Cola Original",         "brand": "Coca Cola",         "size": 2000,         "sizeUnit": "ml",         "price": 1.85,         "supplier": "TIA S.A"       }     ]   },   {     "ingredient": {       "ingredientName": "Lima",       "quantity": 15,       "unit": "ml"     },     "options": [       {         "_id": "68fe90f6656fe7ed262998d1",         "productId": "PROD007",         "name": "Lima",         "product": "Lima fresca",         "brand": "Nacional",         "size": 100,         "sizeUnit": "ml",         "price": 0.25,         "supplier": "Mercado Jipijapa"       }     ]   } } </pre>	
POST	<a href="https://recipemanagement-caj9.onrender.com/dash/costanalysis">https://recipemanagement-caj9.onrender.com/dash/costanalysis</a>	CRUD	<p>Request:</p> <pre> {   "recipeId": "68fe8dda656fe7ed262998ca",   "recipeName": "Cuba Libre",   "servings": 3,   "ingredientsCost": 3.8,   "indirectCost": 0.95,   "totalCost": 4.75,   "costPerServing": 1.9,   "taxes": {     "ivaPercent": 12,     "servicePercent": 10   } } </pre> <p>Response (201):</p> <pre> {   "_id": "ca002",   "recipeName": "Cuba Libre",   "suggestedPricePerServing": 3.6 } </pre>	Create and store a cost analysis
GET	<a href="https://recipemanagement-caj9.onrender.com/dash/costanalysis">https://recipemanagement-caj9.onrender.com/dash/costanalysis</a>	CRUD	<p>Response (200):</p> <pre> [   {     "_id": "ca002",     "recipeName": "Cuba Libre",     "totalCost": 4.75,     "suggestedPricePerServing": 3.6   } ] </pre>	Obtain all cost analysis records

GET	<a href="https://recipemanagement-caj9.onrender.com/dash/costanalysis/{id}">https://recipemanagement-caj9.onrender.com/dash/costanalysis/{id}</a>	CRUD	Response (200): { "_id": "ca002", "recipeName": "Cuba Libre", "costPerServing": 1.9, "suggestedPricePerServing": 3.6 }	Obtain cost analysis detail
PUT	<a href="https://recipemanagement-caj9.onrender.com/dash/costanalysis/{id}">https://recipemanagement-caj9.onrender.com/dash/costanalysis/{id}</a>	CRUD	Request: { "servings": 4 }  Response (200): { "_id": "ca002", "servings": 4 }	Update an existing cost analysis

#### URIs needed for Quotes Module

HTTP Method	URI	Type	JSON	Description
POST	<a href="https://recipemanagement-caj9.onrender.com/dash/quotations/client-request">https://recipemanagement-caj9.onrender.com/dash/quotations/client-request</a>	BUSINESS RULE	<p>Request:</p> <pre>{   "clientInfo": {     "name": "María Gómez",     "phone": "0998810586",     "email": "maria.gomez@example.com"   },   "eventInfo": {     "eventType": "birthday_party",     "numberOfGuests": 50,     "eventDate": "2025-02-15",     "eventTime": "18:00",     "location": {       "address": "Av. 12 de Noviembre y Los Shirys, Quito, Ecuador",       "venueName": "Salón Los Pinos"     },     "specialRequirements": "Decoración temática de superheroes"   },   "budgetRange": {     "min": 500,     "max": 800   } }</pre> <p>Response:</p> <pre>{   "_id": "691a2b3c4d5e6f7g8h9i0j1k",   "quotationType": "client_request",   "status": "pending",   "clientInfo": {     "name": "María Gómez",     "phone": "0998810586",     "email": "maria.gomez@example.com"   },   "eventInfo": {     "eventType": "birthday_party",     "numberOfGuests": 50,     "eventDate": "2025-02-15",     "eventTime": "18:00",     "location": {       "address": "Av. 12 de Noviembre y Los Shirys, Quito, Ecuador",       "venueName": "Salón Los Pinos"     },     "specialRequirements": "Decoración temática de superheroes"   },   "budgetRange": {     "min": 500,     "max": 800   } }</pre>	Client creates a quotation request. Calculates estimated cost.

			<pre> "numberOfGuests": 50, "eventDate": "2025-02-15T00:00:00.000Z", "eventTime": "18:00", "location": {   "address": "Av. 12 de Noviembre y Los Shirys, Quito, Ecuador",   "venueName": "Salón Los Pinos" }, "preferredCuisine": "Internacional", }, "budgetRange": { "min": 500, "max": 800 }, "estimatedCost": 750, "createdAt": "2025-01-15T10:00:00.000Z" } </pre>	
POST	<a href="https://recipemanagement-caj9.onrender.com/dispatch/quotations/chef-calculate">https://recipemanagement-caj9.onrender.com/dispatch/quotations/chef-calculate</a>	BUSINESS RULE	<p>Request:</p> <pre> {   "recipes": [     {       "recipeId": "68fe8dda656fe7ed262998ca",       "servings": 50,       "selectedIngredients": [         {           "productId": "PROD004",           "quantity": 7500,           "unit": "ml"         },         {           "productId": "PROD005",           "quantity": 10000,           "unit": "ml"         },         {           "productId": "PROD007",           "quantity": 2500,           "unit": "ml"         }       ]     },     "discountType": "percentage",     "discountValue": 10,     "ivaPercent": 12,     "servicePercent": 10,     "otherPercent": 5   } }  Response: {   "recipes": [     {       "recipeId": "68fe8dda656fe7ed262998ca",       "recipeName": "Cuba Libre",       "servings": 50,       "lines": [         {           "productId": "PROD004",           "name": "Ron blanco",           "quantity": 7500,           "unit": "ml",           "unitCost": 0.0172,           "tax": 0.0086         }       ]     }   ] } </pre>	Calculate quotation preview with multiple recipes, discounts and taxes (no save)

			<pre>         "totalCost": 129.0     },     {         "productId": "PROD005",         "name": "Coca Cola",         "quantity": 10000,         "unit": "ml",         "unitCost": 0.000925,         "totalCost": 9.25     } ], "ingredientsCost": 154.0, "indirectCost": 38.5, "totalCost": 192.5, "costPerServing": 3.85 } ], "discount": {     "type": "percentage",     "value": 10 }, "subtotal": 192.5, "discountAmount": 19.25, "taxes": {     "ivaPercent": 12,     "servicePercent": 10,     "otherPercent": 5,     "ivaAmount": 20.79,     "serviceAmount": 17.325,     "otherAmount": 8.6625,     "totalTaxes": 46.7775 }, "totalAmount": 220.0275 } </pre>	
POST	<a href="https://recipemanagement-caj9.onrender.com/dashboard/quotation/s/chef-quotation">https://recipemanagement-caj9.onrender.com/dashboard/quotation/s/chef-quotation</a>	BUSINESS RULE	<p>Request:</p> <pre> {     "clientInfo": {         "name": "María Gómez",         "phone": "0998810586",         "email": "maria.gomez@example.com"     },     "eventInfo": {         "eventType": "birthday_party",         "numberOfGuests": 50,         "eventDate": "2025-02-15",         "eventTime": "18:00",         "location": {             "address": "Av. 12 de Noviembre y Los Shirys, Quito, Ecuador",             "venueName": "Salón Los Pinos"         },         "specialRequirements": "Decoración temática",         "dietaryRestrictions": "2 vegetarianos",         "preferredCuisine": "Internacional"     },     "recipes": [         {             "recipId": "68fe8ddda656fe7ed262998ca",             "servings": 50,             "selectedIngredients": [                 {                     "productId": "PROD004",                     "quantity": 7500,                     "unit": "ml"                 }             ]         }     ] } </pre>	Create a complete chef quotation with recipes, calculations, and client info

			<pre>         "unit": "ml"       }     ]   ],   "discountType": "percentage",   "discountValue": 10,   "ivaPercent": 12,   "servicePercent": 10,   "chefId": "chef123" } </pre>	
GET	<a href="https://recipemanagement-caj9.onrender.com/dash/quotations">https://recipemanagement-caj9.onrender.com/dash/quotations</a>	CRUD	<p>Response (201):</p> <pre> [ {   "clientInfo": {     "name": "María Gómez",     "phone": "0998810586",     "email": "maria.gomez@example.com"   },   "eventInfo": {     "location": {       "address": "Av. 12 de Noviembre y Los Shirys, Quito, Ecuador",       "venueName": "Salón Los Pinos"     },     "eventType": "birthday_party",     "numberOfGuests": 50,     "eventDate": "2025-02-15T00:00:00.000Z",     "eventTime": "18:00",     "specialRequirements": "Decoración temática",     "dietaryRestrictions": "2 vegetarianos",     "preferredCuisine": "Internacional"   },   "discount": {     "type": "percentage",     "value": 10   },   "taxes": {     "ivaPercent": 12,     "servicePercent": 10,     "otherPercent": 0,     "ivaAmount": 17.415,     "serviceAmount": 14.5125,     "otherAmount": 0,     "totalTaxes": 31.9275   },   "_id": "6948a40364ae0cb7bdecd993",   "quotationType": "chef_quotation",   "status": "pending",   "recipes": [     {       "recipeId": "68fe8dda656fe7ed262998ca",       "recipeName": "Cuba Libre",       "servings": 50,       "lines": [         {           "productId": "PROD004",           "name": "Ron blanco",           "quantity": 7500,           "unit": "ml",           "unitCost": 0.0172,           "totalCost": 129,         }       ]     }   ] } </pre>	<p>Get all quotations (supports query params: ?quotationType=client_request&amp;status=pending)</p>

			<pre>         "_id": "6948a40364ae0cb7bdecd995"     } ], "ingredientsCost": 129, "indirectCost": 32.25, "totalCost": 161.25, "costPerServing": 3.225, "_id": "6948a40364ae0cb7bdecd994" } ], "subtotal": 161.25, "discountAmount": 16.125, "totalAmount": 177.0525, "chefId": "chef123", "createdAt": "2025-12-22T01:50:59.144Z", "updatedAt": "2025-12-22T01:50:59.144Z", "__v": 0 }, ...</pre>	
GET	<a href="https://recipemanagement-caj9.onrender.com/dash/quotations/{id}">https://recipemanagement-caj9.onrender.com/dash/quotations/{id}</a>	CRUD	<p>Response:</p> <pre>{     "_id": "692a3b4c5d6e7f8g9h0i1j2k",     "quotationType": "chef_quotation",     "status": "pending",     "clientInfo": {},     "eventInfo": {},     "recipes": [],     "subtotal": 192.5,     "discountAmount": 19.25,     "totalAmount": 220.0275,     "createdAt": "2025-01-15T10:30:00.000Z" }</pre>	Search quotation by id
PUT	<a href="https://recipemanagement-caj9.onrender.com/dash/quotations/{id}">https://recipemanagement-caj9.onrender.com/dash/quotations/{id}</a>	CRUD	<p>Request:</p> <pre>{     "status": "approved",     "totalAmount": 250.0,     "eventInfo": {         "eventDate": "2025-02-20"     } }</pre> <hr/> <p>Response (201):</p> <pre>{     "_id": "692a3b4c5d6e7f8g9h0i1j2k",     "quotationType": "chef_quotation",     "status": "approved",     "totalAmount": 250.0,     "updatedAt": "2025-01-15T11:00:00.000Z" }</pre>	Update an existing quotation
PATCH	<a href="https://recipemanagement-caj9.onrender.com/dash/quotations/{id}/status">https://recipemanagement-caj9.onrender.com/dash/quotations/{id}/status</a>	CRUD	<p>Request:</p> <pre>{     "status": "completed" }</pre> <p>Response (204):</p> <pre>{     "_id": "692a3b4c5d6e7f8g9h0i1j2k",     "quotationType": "chef_quotation",     "status": "completed",     "updatedAt": "2025-01-15T11:15:00.000Z" }</pre>	Update only the status of a quotation

DELETE	<a href="https://recipemanagement-caj9.onrender.com/dispatch/quotations/{id}">https://recipemanagement-caj9.onrender.com/dispatch/quotations/{id}</a>	CRUD	Response (201): {}  	Delete a quotation
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URIs needed for Scaled Recipes Module

HTTP Method	URI	Type	JSON	Description

POST	<a href="https://recipemanagement-caj9.onrender.com/dash/recipe/{id}/scale">https://recipemanagement-caj9.onrender.com/dash/recipe/{id}/scale</a>	BUSINESS RULE	<p>Request:</p> <pre>{   "newServings": 6 }  (Opcional: "profitMargin": 0.30)</pre> <p>Response (201):</p> <pre>{   "message": "Recipe scaled and saved successfully",   "scaledRecipe": {     "recipId": "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       }     ],     "costPerServing": 2.50,     "profitMargin": 0.3   } }</pre>	<p>Create a new scaling.</p> <p>Calculates ingredient quantities and costs based on newServings.</p> <p>profitMargin defaults to 1.0 (100%) if not sent<sup>2</sup>.</p>
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			<pre>"pricePerServing": 4.16 }</pre>	
GET	<a href="https://recipemanagement-caj9.onrender.com/dash/scaled-recipes">https://recipemanagement-caj9.onrender.com/dash/scaled-recipes</a>	CRUD	<p>Response (200):</p> <pre>[ {   "_id": "789ghi...",   "recipeName": "Spaghetti Carbonara",   "scaling": {     "newServings": 6   },   "costPerServing": 2.50,   "pricePerServing": 4.16,   "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)<sup>3</sup>.</p>

GET	<a href="https://recipemanagement-caj9.onrender.com/dash/scaled-recipes/recipe/{recipeId}">https://recipemanagement-caj9.onrender.com/dash/scaled-recipes/recipe/{recipeId}</a>	CRUD	<p>Response (200):</p> <pre>[   {     "_id": "789ghi...",     "recipeId": "68fe...",     "recipeName": "Spaghetti Carbonara",     "scaling": {       "newServings": 6     },     "createdAt": "2024-12-18T10:00:00Z"   } ]</pre>	<p>Obtain history of scalings per recipe.</p> <p>Finds all scaled versions associated with a specific parent recipe ID<sup>4</sup>.</p>
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GET	<a href="https://recipemanagement-caj9.onrender.com/dash/scaled-recipes/{id}">https://recipemanagement-caj9.onrender.com/dash/scaled-recipes/{id}</a>	CRUD	<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 calculation<sup>5</sup>.</p>
DELETE	<a href="https://recipemanagement-caj9.onrender.com/dash/scaled-recipes/{id}">https://recipemanagement-caj9.onrender.com/dash/scaled-recipes/{id}</a>	CRUD	<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 database<sup>6</sup>.</p>

### URIs for Recipes and Ingredients

HTTP Method	URI	Type	JSON	Description
GET	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients">https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients</a>	CRUD	<p>Response</p> <pre>[   {     "_id": "68fe90ba656fe7ed262998cf",     "productId": "PROD004",     "name": "Ron blanco",     "category": "liquor",     "product": "Ron Bacardí Superior",     "brand": "Bacardí",     "size": 750,     "sizeUnit": "ml",     "price": 12.9,     "availableUnits": ["ml", "oz"],     "supplier": "Distribuidora La Favorita",     "isActive": true,     "createdAt": "2025-01-10T09:00:00.000Z"   } ]</pre>	Obtain a list of all ingredients.
GET	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/{id}">https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/{id}</a>	CRUD	<p>Response</p> <pre>{   "_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" }</pre>	Get details of a specific ingredient for id.
GET	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/category/{category}">https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/category/{category}</a>	CRUD	<p>Response:</p> <pre>[   {     "_id": "68fe90ba656fe7ed262998cf",     "productId": "PROD004",     "name": "Ron blanco",     "category": "liquor",     "product": "Ron Bacardí Superior",     "brand": "Bacardí",     "size": 750,     "sizeUnit": "ml",     "price": 12.9,     "availableUnits": ["ml", "oz"],     "supplier": "Distribuidora La Favorita",     "isActive": true   } ]</pre>	Get ingredients by category

GET	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/name/{name}">https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/name/{name}</a>	CRUD	<p>Response:</p> <pre>{   "_id": "68fe90ba656fe7ed262998cf",   "productId": "PROD004",   "name": "Ron blanco",   "category": "liquor",   "product": "Ron Bacardí Superior",   "brand": "Bacardí",   "size": 750,   "sizeUnit": "ml",   "price": 12.9,   "availableUnits": ["ml", "oz"],   "supplier": "Distribuidora La Favorita",   "isActive": true }</pre>	Get ingredients by name
POST	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/ingredient">https://recipemanagement-ca-j9.onrender.com/dishdash/ingredient</a>	CRUD	<p>Request:</p> <pre>{   "productId": "PROD005",   "name": "Coca Cola",   "category": "soft_drink",   "product": "Coca Cola Original",   "brand": "Coca Cola",   "size": 3000,   "sizeUnit": "ml",   "price": 2.85,   "availableUnits": ["ml"],   "supplier": "Arca Continental" }</pre> <hr/> <p>Response:</p> <pre>{   "_id": "68fe91cc656fe7ed262998d1",   "productId": "PROD005",   "name": "Coca Cola",   "category": "soft_drink",   "product": "Coca Cola Original",   "brand": "Coca Cola",   "size": 3000,   "sizeUnit": "ml",   "price": 2.85,   "availableUnits": ["ml"],   "supplier": "Arca Continental",   "isActive": true,   "createdAt": "2025-01-12T14:20:00.000Z" }</pre>	Create a new ingredient.
PUT	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/{id}">https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/{id}</a>	CRUD	<p>Request:</p> <pre>{   "name": "Ron blanco añejo",   "price": 9.25,   "availableUnits": 10 }</pre> <hr/> <p>Response:</p> <pre>{   "_id": "68fe8fed656fe7ed262998cd",   "productId": "PROD003",   "name": "Ron blanco añejo",   "category": "liquor",   "product": "Ron blanco añejo",   "brand": "Ron blanco",   "size": 700,   "sizeUnit": "ml",   "price": 9.25,   "availableUnits": 10 }</pre>	Update existing ingredient.

			<pre>"category": "Licores", "product": "Ron Castillo", "brand": "Castillo", "size": 750, "sizeUnit": "ml", "price": 9.25, "availableUnits": 10, "supplier": "Mi Comisariato", "isActive": true }</pre>	
DELETE	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/{id}">https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/{id}</a>	CRUD	<p>Response:</p> <pre>{   "message": "Ingredient deactivated successfully",   "ingredient": {     "productId": "PROD005",     "name": "Coca Cola",     "isActive": false,     "deletedAt": "2025-01-15T09:30:00.000Z"   } }</pre>	Delete an ingredient.
PATCH	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/ingredient/{productId}/restore">https://recipemanagement-ca-j9.onrender.com/dishdash/ingredient/{productId}/restore</a>	CRUD	<p>Response:</p> <pre>{   "message": "Ingredient restored successfully",   "ingredient": {     "productId": "PROD005",     "name": "Coca Cola",     "isActive": true,     "deletedAt": null   } }</pre>	Restore a product
GET	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/search/{name}">https://recipemanagement-ca-j9.onrender.com/dishdash/ingredients/search/{name}</a>	CRUD	<pre>[   {     "_id": "68fe8fed656fe7ed262998cd",     "name": "Ron blanco",     "productId": "PROD003"   } ]</pre>	Search ingredients by name
GET	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/recipes">https://recipemanagement-ca-j9.onrender.com/dishdash/recipes</a>	CRUD	<p>Response</p> <pre>[   {     "_id": "68fe8dda656fe7ed262998ca",     "name": "Cuba Libre",     "category": "cocktail",     "servings": 1   } ]</pre>	Get list of all recipes
GET	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/recipes/{id}">https://recipemanagement-ca-j9.onrender.com/dishdash/recipes/{id}</a>	CRUD	<p>Response</p> <pre>{   "_id": "68fe8dda656fe7ed262998ca",   "name": "Cuba Libre",   "servings": 1,   "description": "Classic refreshing Cuban cocktail",   "ingredients": [     {       "name": "Ron Blanco",       "quantity": 1.5,       "unit": "ounces"     },     {       "name": "Coca-Cola Light",       "quantity": 1.5,       "unit": "ounces"     },     {       "name": "Lime juice",       "quantity": 0.5,       "unit": "ounces"     },     {       "name": "Simple syrup",       "quantity": 0.5,       "unit": "ounces"     }   ],   "instructions": [     "Pour all ingredients into a shaker filled with ice.",     "Shake well until chilled.",     "Strain into a tall glass filled with ice cubes.",     "Garnish with a lime wedge and a straw." ] }</pre>	Get specific recipe details.

			<pre>     "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	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/recipes">https://recipemanagement-ca-j9.onrender.com/dishdash/recipes</a>	BUSINESS RULE	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	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/recipes/{id}">https://recipemanagement-ca-j9.onrender.com/dishdash/recipes/{id}</a>	CRUD	Request <pre> {   "name": "Cuba Libre Especial",   "servings": 2 } </pre>	Update existing recipe.
DELETE	<a href="https://recipemanagement-ca-j9.onrender.com/dishdash/recipes/{id}">https://recipemanagement-ca-j9.onrender.com/dishdash/recipes/{id}</a>	CRUD	Response <pre> {   "message": "Recipe deleted" } </pre>	Delete recipe.
GET	<a href="https://recipemanagement-ca">https://recipemanagement-ca</a>	BUSINESS	Response	List recipes filtered

	<a href="https://j9.onrender.com/dishdash/recipes/category/{category}">j9.onrender.com/dishdash/recipes/category/{category}</a>		[ { "_id": "68fe8dda656fe7ed262998ca", "name": "Cuba Libre", "category": "cocktail" } ]	by category.
GET	<a href="https://recipemanagement-ca.j9.onrender.com/dishdash/recipes/name/{name}">https://recipemanagement-ca.j9.onrender.com/dishdash/recipes/name/{name}</a>	BUSINESS	Response [ { "_id": "68fe8dda656fe7ed262998ca", "name": "Cuba Libre" } ]	Search recipes by name.
GET	<a href="https://recipemanagement-ca.j9.onrender.com/dishdash/recipes/{id}">https://recipemanagement-ca.j9.onrender.com/dishdash/recipes/{id}</a>	CRUD	Response { "_id": "6948b34bf5ee77d37e46617b", "name": "Margarita", "servings": 1, "description": "Mexican tequila cocktail", "ingredients": [ { "ingredientName": "Tequila", "productId": "PROD010", "quantity": 50, "unit": "ml", "_id": "6948b34bf5ee77d37e46617c" }, { "ingredientName": "Triple Sec", "productId": "PROD001", "quantity": 25, "unit": "ml", "_id": "6948b34bf5ee77d37e46617d" }, { "ingredientName": "Lima", "productId": "PROD007", "quantity": 20, "unit": "ml", "_id": "6948b34bf5ee77d37e46617e" } ], "instructions": [ "Agregar ingredientes al shaker", "Agitar", "Servir en copa escarchada" ] }	Search recipes by id

			<pre>         ],         "costPerServing": 0.775,         "pricePerServing": 1.55,         "category": "cocktail",         "isActive": true,         "deletedAt": null,         "createdAt":         "2025-12-22T02:56:11.479Z",         "updatedAt":         "2025-12-22T02:56:11.479Z",         "__v": 0     } </pre>	

#### URIs needed for Client Module (ALL CRUD)

HTTP Method	URI	Type	Description
GET	<a href="https://t3-awd-recipe-management-system-2.onrender.com/clients">https://t3-awd-recipe-management-system-2.onrender.com/clients</a>	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	<a href="https://t3-awd-recipe-management-system-2.onrender.com/clients/{id}">https://t3-awd-recipe-management-system-2.onrender.com/clients/{id}</a>	<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	<a href="https://t3-awd-recipe-management-system-2.onrender.com/clients">https://t3-awd-recipe-management-system-2.onrender.com/clients</a>	<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	<a href="https://t3-awd-recipe-management-system-2.onrender.com/clients/{id}">https://t3-awd-recipe-management-system-2.onrender.com/clients/{id}</a>	<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	<a href="https://t3-awd-recipe-management-system-2.onrender.com/clients/{id}">https://t3-awd-recipe-management-system-2.onrender.com/clients/{id}</a>	<p>Response (200):</p> <pre>{   "message": "Client deleted successfully",   "id": 30 }</pre>	Delete a client.
GET	<a href="https://t3-awd-recipe-management-system-2.onrender.com/clients/search/{query}">https://t3-awd-recipe-management-system-2.onrender.com/clients/search/{query}</a>	<p>Response (200):</p> <pre>[   {     "id": 25,     "name": "Restaurant Del Mar",     "email": "contact@delmar.com"   } ]</pre>	Search clients by name or email.
GET	<a href="https://t3-awd-recipe-management-system-2.onrender.com/clients/email/{email}">https://t3-awd-recipe-management-system-2.onrender.com/clients/email/{email}</a>	<p>Response (200):</p> <pre>{   "id": 28,   "name": "Cafe Central",   "email": "manager@cafecentral.com",   "phone": "+1-555-0202",   "status": "active" }</pre>	Get client by email address.

GET	<a href="https://t3-awd-recipe-management-system-2.onrender.com/clients/phone/{phone}">https://t3-awd-recipe-management-system-2.onrender.com/clients/phone/{phone}</a>	<p>Response (200):</p> <pre>{   "id": 25,   "name": "Restaurant Del Mar",   "phone": "+1-555-0101",   "email": "contact@delmar.com",   "status": "active" }</pre>	Get client by phone number.
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### URLs needed for Login Module (ALL CRUD)

HTTP Method	URI	Type	Description
GET	<a href="https://recipemanagement-caj9.onrender.com/dishdash/auth/google">https://recipemanagement-caj9.onrender.com/dishdash/auth/google</a>	<p>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.</p>	Start OAuth flow (chef logs in with Google).
POST	<a href="https://recipemanagement-caj9.onrender.com/dishdash/auth/google/callback">https://recipemanagement-caj9.onrender.com/dishdash/auth/google/callback</a>	<p>Response (200):</p> <pre>{   "access_token": "ya29.a0AfH6...",    "expires_in": 3599,   "scope": "https://www.googleapis.com/auth/calendar",   "token_type": "Bearer",   "id_token": "eyJhbGciOiJSUzI1..."}</pre>	Google Auth Exchange authorization code for access/refresh tokens.
POST	<a href="https://recipemanagement-caj9.onrender.com/dishdash/auth/failure">https://recipemanagement-caj9.onrender.com/dishdash/auth/failure</a>	<p>Response (200):</p> <pre>{   "azp": "your-client-id.apps.googleusercontent.com",   "aud": "your-client-id.apps.googleusercontent.com",   "sub": "10769...",   "email": "chef@dishdash.com",   "email_verified": "true",}</pre>	Google Auth Validate or inspect an access token.

		<pre>"exp": "1700000000" }</pre>	
POST	<a href="https://recipemanagement-caj9.onrender.com/dishdash/auth/verify">https://recipemanagement-caj9.onrender.com/dishdash/auth/verify</a>	<p>Response (200):</p> <pre>{   "success": true }</pre>	Google Auth Revoke a refresh or access token (disconnect Google account).

## URLs needed for Calendar Module

HTTP Method	URI	Type	JSON	Description
GET	<a href="https://recipemanagement-caj9.onrender.com/dishdash/calendar/events">https://recipemanagement-caj9.onrender.com/dishdash/calendar/events</a>	CRUD	<p>Response</p> <pre>[   {     "status": "pending",     "_id": "694891b3898dc94237707845",     "title": "Entrega modificada",     "type": "delivery",     "startDate": "2025-01-30T15:00:00.000Z",     "quotationId": "691977a84757c6f5cc71c8e2",     "recipeld": null,     "color": "#00aaff",     "icon": "truck",     "createdAt": "2025-12-22T00:32:51.569Z",     "updatedAt": "2025-12-22T00:36:52.573Z",     "__v": 0   },   {     "_id": "69489af0a401f396482fe1da",     "title": "Reunión con undefined",     "type": "meeting",     "startDate": "2025-12-22T01:12:16.654Z",     "quotationId": "6948998fa401f396482fe1d0",     "recipeld": null,     "color": "#00aaff",     "icon": "calendar",     "createdAt": "2025-12-22T00:32:51.569Z",     "updatedAt": "2025-12-22T00:36:52.573Z",     "__v": 0   } ]</pre>	Get all local calendar events

			<pre>     "status": "pending",     "color": "#36b9cc",     "icon": "calendar",     "createdAt":     "2025-12-22T01:12:16.834Z",     "updatedAt":     "2025-12-22T01:12:16.834Z",     "__v": 0 } ] </pre>	
GET	<a href="https://recipemanagement-caj9.onrender.com/dash/calendar/events/{id}">https://recipemanagement-caj9.onrender.com/dash/calendar/events/{id}</a>	CRUD	<p>Response</p> <pre> {   "_id": {     "\$oid": "6948998fa401f396482fe1d0"   },   "quotationType": "client_request",   "status": "pending",   "clientInfo": {     "name": "Juan Perez",     "phone": "1234567890",     "email": "juan@example.com"   },   "eventInfo": {     "eventType": "wedding",     "numberOfGuests": 100,     "eventDate": {       "\$date": "2025-12-31T00:00:00.000Z"     },     "eventTime": "18:00",     "location": {       "address": "Av. Siempre Viva 123",       "venueName": "Salón Fiesta"     }   },   "budgetRange": {     "min": 5000,     "max": 15000   },   "estimatedCost": 2500,   "discount": {     "type": "percentage",     "value": 0   },   "taxes": { </pre>	Get details of a specific local event.

			<pre>     "ivaPercent": 0,     "servicePercent": 0,     "otherPercent": 0,     "ivaAmount": 0,     "serviceAmount": 0,     "otherAmount": 0,     "totalTaxes": 0   },   "recipes": [],   "createdAt": {     "\$date": "2025-12-22T01:06:23.959Z"   },   "updatedAt": {     "\$date": "2025-12-22T01:06:23.959Z"   },   "__v": 0 } </pre>	
POST	<a href="https://recipemanagement-caj9.onrender.com/dash/calendar/events">https://recipemanagement-caj9.onrender.com/dash/calendar/events</a>	CRUD	<p>Request</p> <pre> {   "title": "Reunión con cliente",   "type": "meeting",   "startDate": "2025-12-25T10:00:00.000Z",   "quotationId": "641234abcd5678ef90123456",   "color": "#36b9cc",   "icon": "calendar" } -----</pre> <p>Response</p> <pre> { "message": "Event created successfully" } </pre>	Create a new local event; optionally sync to Google Calendar.
PUT	<a href="https://recipemanagement-caj9.onrender.com/dash/calendar/events/{id}">https://recipemanagement-caj9.onrender.com/dash/calendar/events/{id}</a>	CRUD	<p>Request</p> <pre> {   "title": "Reunión actualizada",   "color": "#ff0000" } -----</pre> <p>Response</p> <pre> { "message": "Event updated successfully" } </pre>	Update an existing local event and sync the update to Google Calendar.
DELETE	<a href="https://recipemanagement-caj9.onrender.com/dash/calendar/events/{id}">https://recipemanagement-caj9.onrender.com/dash/calendar/events/{id}</a>	CRUD	<p>Request</p> <pre> { "message": "Event deleted successfully" } </pre>	Delete a local event and remove it from Google

				Calendar if linked.
PATCH	<a href="https://recipemanagement-caj9.onrender.com/dash/calendar/events/{id}/complete">https://recipemanagement-caj9.onrender.com/dash/calendar/events/{id}/complete</a>	CRUD	<p>Request</p> <pre>{   "status": "completed" }</pre> <hr/> <p>Response</p> <pre>{   "message": "Event status updated successfully" }</pre>	Update the status of an event (pending, completed, etc.).
POST	<a href="https://recipemanagement-caj9.onrender.com/dash/calendar/quotations/{quotationId}">https://recipemanagement-caj9.onrender.com/dash/calendar/quotations/{quotationId}</a>	CRUD	<p>Request</p> <pre>{   "quotationIds": [     "6948998fa401f396482fe1d0"   ] }</pre> <hr/> <p>Response</p> <pre>{   "message": "Quotation events created and synced to Google Calendar" }</pre>	Generate events from quotes and push them to Google Calendar.
POST	<a href="https://recipemanagement-caj9.onrender.com/dash/calendar/events/create-from-quotat ion/{quotationId}">https://recipemanagement-caj9.onrender.com/dash/calendar/events/create-from-quotat ion/{quotationId}</a>	BUSINESS RULE		
GET	<a href="https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events">https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events</a>		<p>Response</p> <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	<a href="https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events/{eventId}">https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events/{eventId}</a>	Response	{         "id": "abc123",         "summary": "Evento Empresarial - Eventos ML",         "start": { "dateTime": "2024-11-15T18:00:00Z" },         "end": { "dateTime": "2024-11-15T23:00:00Z" }     }	Get a specific Google Calendar event.
POST	<a href="https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events">https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events</a>	Request	{         "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"     }	Create a new event in Google Calendar.
PATCH	<a href="https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events/{eventId}">https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events/{eventId}</a>	Request/Response	{         "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"         }     } ----- {	Update an existing Google Calendar event.

			<pre>"message": "Google Calendar event updated" }</pre>	
DELETE	<a href="https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events/{eventId}">https://www.googleapis.com/calendar/v3/calendars/{calendarId}/events/{eventId}</a>	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	<a href="https://recipemanagement-caj9.onrender.com/dishdash/conversions">https://recipemanagement-caj9.onrender.com/dishdash/conversions</a>	CRUD	<p>Response</p> <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	<a href="https://recipemanagement-caj9.onrender.com/dishdash/conversion">https://recipemanagement-caj9.onrender.com/dishdash/conversion</a>	BUSINESS RULE	<p>Request</p> <pre>{   "value": 50,   "fromUnit": "g",   "toUnit": "ml",   "ingredientId": "PROD003" }</pre> <hr/> <pre>{   "value": 100,   "fromUnit": "g",   "toUnit": "ml",   "density": 0.85 }</pre> <hr/> <p>Response</p>	It performs the ingredient conversion by its code or by passing its density value to be exact

			<pre>{   "from": "50 g",   "to": "53.19 ml",   "densityUsed": 0.94 }</pre>	
POST	<a href="https://recipemanagement-caj9.onrender.com/dishdash/conversion/kitchen">https://recipemanagement-caj9.onrender.com/dishdash/conversion/kitchen</a>	BUSINESS RULE	<p>Request</p> <pre>{   "value": 50,   "fromUnit": "g",   "toUnit": "ml",   "ingredientId": "PROD003" }</pre> <hr/> <p>Response</p> <pre>{   "from": "50 g",   "to": "3 tbsp + 2 tsp",   "densityUsed": 0.94 }</pre>	Performs conversions to cooking units
GET	<a href="https://recipemanagement-caj9.onrender.com/dishdash/units">https://recipemanagement-caj9.onrender.com/dishdash/units</a>	CRUD	<p>Response</p> <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.
GET	<a href="https://recipemanagement-caj9.onrender.com/dishdash/unitsall">https://recipemanagement-caj9.onrender.com/dishdash/unitsall</a>	CRUD	<p>Response</p> <pre>[   {     "_id": "69446aecefe733a65a0b1e34",     "name": "g",     "type": "weight",     "toBase": 1,     "isActive": true   },   {     "_id": "69446aecefe733a65a0b1e35",     "name": "kg",     "type": "weight",     "toBase": 1,     "isActive": true   } ]</pre>	It retrieves all the units into which conversions can be made, including your information.

			<pre>        "_id":         "69446b03efe733a65a0b1e35",         "name": "kg",         "type": "weight",         "toBase": 1000,         "isActive": true     },     {         "_id":         "69446b11efe733a65a0b1e36",         "name": "oz",         "type": "weight",         "toBase": 28.3495,         "isActive": true     } ]</pre>	
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