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{
  "openapi": "3.0.1",
  "info": {
    "title": "Cart Management API",
    "description": "RESTful API documentation for adding and reading cart items from MySQL database while validating carts from another api called Supermarket Management (Mockoon).",
    "contact": {
      "email": "victorbologna@hotmail.com"
    },
    "version": "1.0.0"
  },
  "servers": [
    {
      "url": "http://localhost:8081",
      "description": "Supermarket Management API"
    }
  ],
  "tags": [
    {
      "name": "Cart",
      "description": "APIs for creating and reading carts with dates and their values."
    }
  ],
  "paths": {
    "/cart": {
      "post": {
        "tags": [
          "Cart"
        ],
        "summary": "Create Cart into the database, if there's no Cart ID in Supermarket Manager API, then a CartNotFoundException is thrown.",
        "operationId": "createCart",
        "requestBody": {
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/CartRequest"
              }
            }
          },
          "required": true
        },
        "responses": {
          "201": {
            "description": "Cart created successfully.",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/CartResponse"
                }
              }
            }
          },
          "500": {
            "description": "Internal Server Error.",
            "content": {
              "application/json": {
                "schema": {
                  "$ref": "#/components/schemas/ErrorResponse"
                }
              }
            }
          }
        }
      }
    }
  }
}

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    }
  },
  "400": {
    "description": "Cart data missing.",
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ErrorResponse"
        }
      }
    }
  },
  "404": {
    "description": "Cart ID not found.",
    "content": {
      "application/json": {
        "schema": {
          "$ref": "#/components/schemas/ErrorResponse"
        }
      }
    }
  },
  },
  "/cart/{supermarketID}": {
    "get": {
      "tags": [
        "Cart"
      ],
      "summary": "Retrieve a specific Cart from the database, if there's no Cart ID in the database, then a
CartNotFoundException is thrown.",
      "operationId": "getByCartID",
      "parameters": [
        {
          "name": "supermarketID",
          "in": "path",
          "description": "Cart ID name",
          "required": true,
          "schema": {
            "type": "integer",
            "format": "int64"
          },
          "example": 1
        }
      ],
      "responses": {
        "500": {
          "description": "Internal Server Error.",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ErrorResponse"
              }
            }
          }
        }
      }
    },
    "200": {
      "description": "Cart created successfully.",

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        "content": {
          "application/json": {
            "schema": {
              "type": "array",
              "items": {
                "$ref": "#/components/schemas/CartResponse"
              }
            }
          }
        },
      },
      "404": {
        "description": "Cart ID not found.",
        "content": {
          "application/json": {
            "schema": {
              "$ref": "#/components/schemas/ErrorResponse"
            }
          }
        }
      },
    },
  },
  "/allCarts": {
    "get": {
      "tags": [
        "Cart"
      ],
      "summary": "Read all Carts from the database",
      "operationId": "getAllCarts",
      "responses": {
        "500": {
          "description": "Internal Server Error.",
          "content": {
            "application/json": {
              "schema": {
                "$ref": "#/components/schemas/ErrorResponse"
              }
            }
          }
        },
        "200": {
          "description": "All Carts retrieved successfully.",
          "content": {
            "application/json": {
              "schema": {
                "type": "array",
                "items": {
                  "$ref": "#/components/schemas/CartResponse"
                }
              }
            }
          }
        }
      }
    }
  },
  "/clearCache": {
    "delete": {

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    "tags": [
      "Cart"
    ],
    "summary": "Clear cache from the Supermarket database.",
    "operationId": "clearSupermarketCache",
    "responses": {
      "500": {
        "description": "Internal Server Error.",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ErrorResponse"
            }
          }
        }
      },
      "200": {
        "description": "Cache cleared successfully.",
        "content": {
          "*/*": {
            "schema": {
              "$ref": "#/components/schemas/ClearCacheResponse"
            }
          }
        }
      }
    }
  },
  "components": {
    "schemas": {
      "CartRequest": {
        "required": [
          "supermarketID"
        ],
        "type": "object",
        "properties": {
          "supermarketID": {
            "type": "integer",
            "description": "Supermarket ID",
            "format": "int64",
            "example": 1
          }
        },
        "items": {
          "type": "object",
          "additionalProperties": {
            "type": "number",
            "description": "Items with values",
            "format": "double"
          },
          "description": "Items with values",
          "example": {
            "Tomato": 10.1,
            "Cake": 20.5
          }
        }
      }
    },
    "description": "Cart Request"
  },

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"CartResponse": {
  "type": "object",
  "properties": {
    "id": {
      "type": "string",
      "description": "ID",
      "example": "1d236439-e3c0-405f-befb-8d085a95474a"
    },
    "supermarketID": {
      "type": "integer",
      "description": "Supermarket ID",
      "format": "int64",
      "example": 1
    },
    "name": {
      "type": "string",
      "description": "Supermarket name",
      "example": "Carrefour"
    },
    "items": {
      "type": "object",
      "additionalProperties": {
        "type": "number",
        "description": "Items with values",
        "format": "double"
      },
      "description": "Items with values",
      "example": {
        "Tomato": 10.1,
        "Cake": 20.5
      }
    }
  },
  "description": "Cart Response"
},
"ErrorResponse": {
  "type": "object",
  "properties": {
    "status": {
      "type": "string",
      "description": "Status",
      "example": "HTTP status message"
    },
    "message": {
      "type": "string",
      "description": "Message",
      "example": "Error message."
    },
    "timestamp": {
      "type": "string",
      "description": "Timestamp of error",
      "format": "date-time"
    }
  },
  "description": "Error Response"
},
"ClearCacheResponse": {
  "type": "object",
  "properties": {
    "message": {

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        "type": "string",
        "description": "Message",
        "example": "Cache cleared successfully."
    },
    "description": "Clear Cache Response"
}
}
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