

Bodegas

```
{
  $jsonSchema: {
    bsonType: 'object',
    required: [
      '_id',
      'nombre',
      'tamano_metros',
      'productos'
    ],
    properties: {
      _id: {
        bsonType: 'int',
        description: 'Must be an integer'
      },
      nombre: {
        bsonType: 'string',
        description: 'must be a string and is required',
        minLength: 3,
        maxLength: 100
      },
      tamano_metros: {
        bsonType: 'int',
        description: 'Must be an integer'
      },
      productos: {
        bsonType: 'array',
        description: 'Must be an array of objects'
      }
    }
  }
}
```

Categorias

```
{
  $jsonSchema: {
    bsonType: 'object',
    required: [
      'codigo',
      'nombre',
      'descripcion',
      'caracteristicas_de_almacenamiento'
    ]
  }
}
```

```

],
properties: {
  codigo: {
    bsonType: 'string',
    description: 'must be a string and is required',
    minLength: 1,
    maxLength: 50
  },
  nombre: {
    bsonType: 'string',
    description: 'must be a string and is required',
    minLength: 3,
    maxLength: 100
  },
  descripcion: {
    bsonType: 'string',
    description: 'must be a string and is required',
    minLength: 5,
    maxLength: 250
  },
  características_de_almacenamiento: {
    bsonType: 'string',
    description: 'must be a string and is required',
    minLength: 5,
    maxLength: 250
  }
}
}
}
}

```

OrdenesDeCompra

```

{
  $jsonSchema: {
    bsonType: 'object',
    required: [
      'id',
      'sucursal',
      'proveedor',
      'estado',
      'fecha_entrega',
      'fecha_creacion'
    ],
    properties: {

```

```

id: {
  bsonType: 'int',
  description: 'Must be an integer and is required'
},
sucursal: {
  bsonType: 'object',
  description: 'Must be an object and is required'
},
proveedor: {
  bsonType: 'object',
  description: 'Must be an object and is required'
},
estado: {
  bsonType: 'string',
  description: 'Must be a string and is required'
},
fecha_entrega: {
  bsonType: 'string',
  description: 'Must be a string and is required'
},
fecha_creacion: {
  bsonType: 'string',
  description: 'Must be a string and is required'
}
}
}
}

```

Productos

```

{
  $jsonSchema: {
    bsonType: 'object',
    required: [
      'codigo_barras',
      'nombre',
      'precio_unitario',
      'presentacion',
      'cantidad_presentacion',
      'unidad_medida_presentacion',
      'cantidad_empaque',
      'unidad_empaque',
      'fecha_expiracion',
      'categoria'
    ]
  }
}

```

```
],
properties: {
  codigo_barras: {
    bsonType: 'string',
    description: 'Must be a string'
  },
  nombre: {
    bsonType: 'string',
    description: 'Must be a string'
  },
  precio_unitario: {
    bsonType: 'int',
    description: 'Must be an integer'
  },
  presentacion: {
    bsonType: 'string',
    description: 'Must be a string'
  },
  cantidad_presentacion: {
    bsonType: 'int',
    description: 'Must be an integer'
  },
  unidad_medida_presentacion: {
    bsonType: 'string',
    description: 'Must be a string'
  },
  cantidad_empaque: {
    bsonType: 'int',
    description: 'Must be an integer'
  },
  unidad_empaque: {
    bsonType: 'string',
    description: 'Must be a string'
  },
  fecha_expiracion: {
    bsonType: 'string',
    description: 'Must be a string'
  },
  categoria: {
    bsonType: 'object',
    description: 'Must be an object'
  }
}
}
```

```
}
```

ProductosEnBodega

```
{
  "$jsonSchema": {
    "bsonType": "object",
    "required": [
      "_id",
      "productoID",
      "nivel_minimo_reorden",
      "capacidad_almacenamiento",
      "costo_bodega",
      "total_existencias",
      "costo_promedio"
    ],
    "properties": {
      "_id": {
        "bsonType": "int",
        "description": "Must be an integer"
      },
      "productoID": {
        "bsonType": "string",
        "description": "Must be a string"
      },
      "nivel_minimo_reorden": {
        "bsonType": "int",
        "description": "Must be an integer"
      },
      "capacidad_almacenamiento": {
        "bsonType": "int",
        "description": "Must be an integer"
      },
      "costo_bodega": {
        "bsonType": "double",
        "description": "Must be a double"
      },
      "total_existencias": {
        "bsonType": "int",
        "description": "Must be an integer"
      },
      "costo_promedio": {
        "bsonType": "double",
        "description": "Must be a double"
      }
    }
  }
}
```

```
}  
}  
}  
}
```

Proveedores

```
{  
  "$jsonSchema": {  
    "bsonType": "object",  
    "required": [  
      "_id",  
      "productID",  
      "nivel_minimo_reorden",  
      "capacidad_almacenamiento",  
      "costo_bodega",  
      "total_existencias",  
      "costo_promedio"  
    ],  
    "properties": {  
      "_id": {  
        "bsonType": "int",  
        "description": "Must be an integer"  
      },  
      "productID": {  
        "bsonType": "string",  
        "description": "Must be a string"  
      },  
      "nivel_minimo_reorden": {  
        "bsonType": "int",  
        "description": "Must be an integer"  
      },  
      "capacidad_almacenamiento": {  
        "bsonType": "int",  
        "description": "Must be an integer"  
      },  
      "costo_bodega": {  
        "bsonType": "double",  
        "description": "Must be a double"  
      },  
      "total_existencias": {  
        "bsonType": "int",  
        "description": "Must be an integer"  
      },  
    },  
  },  
}
```

```

    "costo_promedio": {
      "bsonType": "double",
      "description": "Must be a double"
    }
  }
}
}

```

Sucursales

```

{
  "$jsonSchema": {
    "bsonType": "object",
    "required": [
      "id",
      "nombre",
      "tamano_metros",
      "direccion",
      "telefono",
      "ciudad",
      "bodegas"
    ],
    "properties": {
      "id": {
        "bsonType": "int",
        "description": "Must be an integer"
      },
      "nombre": {
        "bsonType": "string",
        "description": "Must be a string"
      },
      "tamano_metros": {
        "bsonType": "int",
        "description": "Must be an integer"
      },
      "direccion": {
        "bsonType": "string",
        "description": "Must be a string"
      },
      "telefono": {
        "bsonType": "string",
        "description": "Must be a string"
      },
      "ciudad": {

```

```
    "bsonType": "string",
    "description": "Must be a string"
  },
  "bodegas": {
    "bsonType": "array",
    "items": {
      "bsonType": "int",
      "description": "Each item in the array must be an integer"
    },
    "description": "Must be an array of integers"
  }
}
```