Models

Customer.js

```
import { Schema, model } from "mongoose";

const CustomerSchema = new Schema({
  name: { type: String, required: true },
  phone: { type: String },
  email: { type: String, lowercase: true }
}, { timestamps: true });

export default model("Customer", CustomerSchema);
```

Inventory.js

```
import { Schema, model } from "mongoose";

const InventorySchema = new Schema({
  productSku: { type: String, required: true, index: true },
  type: { type: String, enum: ["sale", "adjustment", "void"], required: true },
  qty:  { type: Number, required: true }
}, { timestamps: true });

export default model("Inventory", InventorySchema);
```

Product.js

```
import { Schema, model } from "mongoose";
```

```
const ProductSchema = new Schema({
  name: { type: String, required: true },
  sku:  { type: String, required: true, unique: true },
  price:{ type: Number, required: true, min: 0 },
  taxRate: { type: Number, default: 0.16 },
  stock: { type: Number, default: 0, min: 0 }
}, { timestamps: true });

export default model("Product", ProductSchema);
```

Sale.js

```
import { Schema, model } from "mongoose";

const SaleLineSchema = new Schema({
  productSku:   { type: String, required: true },
  productName:  { type: String, required: true },
  priceAtSale:  { type: Number, required: true, min: 0 },
  taxRateAtSale:{ type: Number, required: true, min: 0 },
  qty:          { type: Number, required: true, min: 1 }
}, { _id: false });

const SaleSchema = new Schema({
  folio:  { type: Number, required: true, index: true },
  lines:  { type: [SaleLineSchema], validate: v ⇒ v.length > 0 },
  subtotal:{ type: Number, required: true, min: 0 },
  tax:    { type: Number, required: true, min: 0 },
  total:  { type: Number, required: true, min: 0 }
}, { timestamps: true });

export default model("Sale", SaleSchema);
```

User.js

```javascript
import { Schema, model } from "mongoose";

const UserSchema = new Schema({
  name: { type: String, required: true},
  email: { type: String, required: true, unique: true },
  passwordHash: { type: String, required: true },
}, { timestamps: true });

export default model("User", UserSchema);
```