**Key Backend APIs for SSRMS (Spaza Shop Registration & Monitoring System)**

**1. Authentication API**

- **Purpose**: Handles login, signup, JWT/token validation.
- **Used by**: Customers, Shop Owners, Government Officials.
- **Technology**: Spring Security, JWT, OAuth2.

**2. Shop Management API**

- **Purpose**: Register shop, edit details, upload compliance documents.
- **Used by**: Shop Owners.
- **Endpoints**:
  - POST /shops/register
  - GET /shops/{id}
  - PUT /shops/{id}
  - GET /shops?verified=true

**3. Verification & Moderation API**

- **Purpose**: Accept, reject, and verify shops based on compliance.
- **Used by**: Government Officials.
- **Endpoints**:
  - PUT /shops/{id}/verify
  - PUT /shops/{id}/reject
  - GET /shops/unverified

**4. Complaint & Review API**

- **Purpose**: Customers report shops, write reviews, rate shops.
- **Endpoints**:
  - POST /complaints
  - POST /reviews
  - GET /shops/{id}/reviews

**5. Analytics & Ratings API**

- **Purpose**: Aggregate shop ratings, show top-rated shops by area.

- **Endpoints**:
  - GET /shops/top-rated?area=township_name
  - GET /shops/{id}/ratings

## 6. Supplier & Inventory API (Optional Future Scope)

- **Purpose**: Let shop owners browse verified suppliers and stock inventory.
- **Endpoints**:
  - GET /suppliers
  - POST /inventory

## 7. Notification API

- **Purpose**: Sends email/SMS or in-app alerts for shop updates, complaint status, verification.
- **Integration**: Twilio (SMS), SendGrid (email), FCM (push notifications).