Future Enhancements – Step 2A: Reference Data & Medical Codes

## 🔍 1. Search / Filtering API

* - Allow filtering by code, description, category\_id, etc.
* - e.g., GET /cpt-codes?code=99213

## 🌐 2. Multilingual Support

* - Add `name\_ar`, `description\_ar` fields or use a translations table

## 🧠 3. AI Tags or Smart Mapping

* - Auto-tag codes with metadata like treatment type
* - Used for pricing logic, claim triage, and AI models

## 📚 4. Versioning or Source Metadata

* - Track fields like `source`, `version`, `is\_deprecated`

## 🛠️ 5. Bulk Import / Export Tool

* - Support upload/download of codes via .csv or .xlsx templates

## 📊 6. Usage Analytics

* - Track fields like `used\_in\_claims\_count`, `last\_used\_at`

## 🧱 7. Hierarchical Linking

* - Allow parent-child links between codes for grouping or category logic

## 🔗 8. Crosswalk / Mapping Tables

* - e.g., icd\_to\_cpt\_mapping, motor\_to\_medical\_exclusion\_map

## 🔒 9. Role-based Restrictions

* - Add visibility\_scope: public, restricted, admin\_only

## 🧪 10. Test Coverage

* - Write unit tests for repo, service, route logic and edge cases