

# API Requirements Document

This document outlines the required changes and improvements to the current API setup. The goal is to simplify integration, remove unnecessary authentication for public endpoints, and improve the overall admin experience.

## 1. Subcategories and Books API

Currently, there are two separate APIs for fetching data:

- subcategories/list
- books/list

**Requirement:** Merge these into a single API so that each subcategory also includes its related books.

### Example Response:

```
{ "subcategory_id": 1, "subcategory_name": "Islamic Studies", "books": [
  { "book_id": 101, "title": "Book One", "author": "Author A" }, {
  "book_id": 102, "title": "Book Two", "author": "Author B" } ] }
```

## 2. Public API Access (No Login Required)

The website does not include login or signup functionality. However, APIs like categories, subcategories, and books currently require authentication, which results in a 401 Unauthorized error.

**Requirement:** These APIs should be publicly accessible without authentication.

### Affected APIs:

1. categories/list – Remove authorization
2. subcategories/list – Remove authorization
3. books/list – Remove authorization
4. /subscribers/create – Remove authorization and remove 'author' field from payload

### Example Payload:

```
{ "name": "Website User", "email": "user@example.com" }
```

5. /social-links/create – Remove authorization

### Example Payload:

```
{ "platform": "Instagram", "url": "https://instagram.com/myprofile",
  "logo": "uploads/logo.png" }
```

6. /settings/get – Make public
7. /gallery/list – Make public

## 3. Admin Panel Token Expiry

In the admin panel, login generates a token which currently expires within just 5 minutes. This forces admins to log in repeatedly, creating unnecessary friction.

### Requirement:

- Increase the token expiry time (e.g., 24 hours)
- Or implement a refresh token mechanism

## Summary of Required Changes

1. Merge books into subcategories/list API (no need for separate books/list API).
2. Make categories, subcategories, books, subscribers, social-links, settings, and gallery APIs public (no authentication required). Also update subscribers payload by removing 'author'.
3. Extend admin login token expiry (currently only 5 minutes).