KDramaVibe App - Full Plan

---

1. App Name

- **KDramaVibe** (trendy, easy to remember, fun, fits fans/holics)

---

2. App Purpose

- Browse K-dramas and actors in a structured, interactive way.
- Highlight:
- Most popular dramas
- Highest rated dramas
- Most viewed dramas
- Recently released dramas
- Popular actors

---

3. What the App Will Contain

Pages / Features

1. **Home / Listing**
2. Alphabetical drama list: `0-9`, `A-Z`
3. Load more letters or select a specific letter
4. Show: title + release year (images optional later)
5. Search bar for fast filtering

6. **Drama Details**

7. Clicking a drama shows:

    - Title, year, cast, ratings, network, synopsis
    - Fetched from DB or scraped if missing

8. **Actors Page**

9. Alphabetical actor list `A-Z`

10. Clicking shows the dramas they acted in

11. **Popular / Highest Rated / Recent**

12. Filters or separate sections
13. Data can come from:
    - MyDramaList API (for ratings/popularity)
    - Wikipedia / other reliable sources

---

4. Backend Setup (Django + MySQL)

Models

- `Drama` → title, year, letter, rating, views, created_at
- `Actor` → name, dramas they acted in
- `ScrapedLetter` → track which letters have been scraped

Scraping Workflow

1. **List page scraping** (Wikipedia “List of Korean dramas”):
2. Scrape titles, years, and group by first letter
3. Bulk insert with **ignore duplicates** (`ignore_conflicts=True`)

4. Track scraped letters to avoid unnecessary re-processing

5. **Single drama page scraping**:

6. When user clicks a drama not in DB
7. Scrape that page, store info (cast, synopsis, etc.)

8. Insert into DB if not already there

9. **Actors scraping**:

10. Scrape actor name and their dramas
11. Insert with upsert to avoid duplicates

Cron Job (Biweekly / Weekly)

- Fetch new drama lists from Wikipedia
- Bulk insert **new dramas only**
- Use **letters tracking** + **unique constraints** to avoid looping
- Optionally, update **ratings, popularity, or views** from MyDramaList API

---

5. Popular / Highest Rated / Recent Dramas

- **Most popular / highest rated**:
- Use MyDramaList API or scrape pages like AsianWiki
- Store ratings, views in DB
- Display top N (like top 10 or top 20)

- **Recent dramas**:

- Use release year from Wikipedia / other sources
- Filter in DB by year

---

6. Frontend Ideas (Next.js + Tailwind)

1. Alphabetical selection + Load More button
2. Search bar with live filtering
3. Responsive pink-themed design for fun & trendy look
4. Drama cards (title, year) initially; add images later if available
5. Actor pages similarly alphabetized

---

7. How the Whole Flow Works

1. User visits listing page
2. Backend fetches from DB (dramas grouped alphabetically, with popular/highest rated/recent filtering)
3. If drama details missing, fetch single drama from Wikipedia / API → store in DB → display
4. Cron job runs biweekly to add new dramas or update ratings/popularity
5. Frontend handles search, letter selection, pagination, and optional “load more”

Key Advantages

- Fast page load → bulk insert and DB storage
- Incremental updates → cron job + letter tracking
- Always up-to-date for users → scraping or API on demand
- Scalable → add images, ratings, reviews later