

## **OfferHub**

### **Title:**

**OfferHub – Your Ultimate Deals & Offers Aggregator**

### **Aim:**

The aim of **OfferHub** is to provide users with a centralized platform to explore, track, and save the best deals and offers from multiple sources. It ensures users never miss discounts, seasonal sales, or special promotions by aggregating them in one user-friendly interface.

### **Need / Problem Statement:**

- Online shopping offers are scattered across multiple websites, apps, and social media channels.
- Users spend a lot of time searching for the best deals.
- Many deals expire before users even notice them.

**OfferHub** solves this by:

- Aggregating offers from multiple sources automatically
- Presenting them in an organized and easy-to-navigate interface
- Allowing users to search, filter, and save favorite deals

### **Tech Stack:**

- **Frontend:** Next.js, React, TailwindCSS (or CSS Modules)
- **Backend:** Node.js (if using API calls for scraping or storage)
- **Database:** MongoDB / Firebase (optional, for user favorites or saved offers)
- **Scraping & APIs:** Puppeteer / Axios / Cheerio (for web scraping deals)
- **Deployment:** Vercel

### **Advantages / Benefits:**

- **Time-saving:** Users get all offers in one place.
- **User-friendly:** Clean interface with easy navigation.
- **Real-time updates:** Scraper keeps offers updated frequently.
- **Customizable:** Users can filter offers by category, store, or popularity.
- **Accessible:** Fully responsive design works on both mobile and desktop.

### **Scraper / Data Collection:**

- Offers are fetched automatically from multiple e-commerce websites using a **web scraper** built with **Puppeteer** or **Axios + Cheerio**.
- Data includes:
  - Offer title
  - Discount percentage
  - Validity date
  - Store/source name
  - Link to the original deal

### **Components Used:**

#### **1. Navbar**

- Provides navigation between categories, trending deals, and favorites.

#### **2. OfferCard**

- Displays each deal with title, discount, store, and link.

#### **3. SearchBar**

- Allows users to search for offers by keyword or category.

#### **4. FilterComponent**

- Filters offers based on category, popularity, or expiry date.

#### **5. Favorites**

- Lets users save deals they want to revisit.

#### **6. Footer**

- Contains contact info, social links, and about section.

#### **7. RootLayout**

- Main layout wrapping the entire application (Next.js app/layout.js)

#### **8. ClientBody**

- Handles font variables and responsive styling for the body of the app.

#### **9. OfferScraper Script (Backend / Cron Job)**

- Runs periodically to fetch and update deals automatically.

**Conclusion:**

**OfferHub** is a modern web platform designed to simplify online shopping by aggregating deals from multiple sources. By combining a user-friendly interface, real-time updates, and easy filtering/searching, it ensures users never miss out on discounts, making shopping efficient and enjoyable.

**Special Feature – Coupon Exchange & Reward System:**

- Users can sell or share their Google Pay / PhonePe coupons on the platform.
- Other users can redeem these coupons.
- When a coupon is successfully redeemed, the user who shared the coupon earns ₹30.
- This adds a community-driven reward system that encourages sharing deals and increasing user engagement.