

# **ENVA — MODULE DOCUMENTATION**

## **1. Authentication Module**

- User signup with OTP
- User login with email/password
- JWT token generation
- Password reset with OTP
- Admin login authentication
- Admin-only route protection

## **2. User Management Module**

- View and update profile
- Upload profile image
- Add, edit, delete addresses
- Set default address
- Add/remove wishlist items
- View wishlist
- Store refunds in wallet
- View wallet transaction logs

## **3. Category Management Module**

- Add/edit/delete categories
- Map parent and subcategories
- Upload category images
- Enable/disable categories

## **4. Product Management Module**

- Add/edit/delete products
- Upload multiple product images
- Manage product variants (sizes/colors)
- Add descriptions & pricing
- Attach categories

## **5. Inventory / Stock Management Module**

- Track stock per variant
- Reduce stock after orders

- Restore stock after returns
- Low-stock alerts

## **6. Cart Management Module**

- Add items to cart
- Update quantity
- Remove items
- Validate stock availability

## **7. Checkout Module**

- Validate cart before checkout
- Select shipping address
- Apply coupons
- Choose payment method
- Create order session

## **8. Order Management Module (User Side)**

- Track all order status updates
- View past orders
- Cancel eligible orders • Submit return request

## **9. Order Management Module (Admin Side)**

- View all orders
- Update order status
- Approve returns and refunds
- Adjust stock manually

## **10. Payment Module**

- Integrate Razorpay/Stripe
- Verify payment signature
- Handle failed payments
- Store transaction logs

## **11. Coupon Management Module**

- Create/update coupons

- Percentage or fixed discount
- Minimum order requirements
- Usage limits
- Coupon expiry settings

## **12. Offers Module**

- Product-level discounts
- Category-wide discounts
- Referral code system
- Wallet bonus for referrals

## **13. Review & Ratings Module**

- Add review after purchase
- 1–5 star rating
- Upload review images
- Admin review moderation

## **14. Search Module**

- Search products by name
- Search by brand or category
- Optimized index-based search

## **15. Sorting Module**

- Sort by price low → high
- Sort by price high → low
- Sort by newest
- Sort by popularity

## **16. Filtering Module**

- Filter by category
- Filter by size
- Filter by color
- Filter by price range • Apply multiple filters

## **17. Sales Report Module**

- Daily, weekly, monthly sales reports

- View best-selling products
- Analyze revenue trends
- Export PDF/CSV

## **18. Banner Management Module**

- Add/edit home banners
- Set banner priority order
- Activate/deactivate banners

## **19. Promotion Module**

- Festival sales
- Flash sales
- Scheduled promotions

## **20. Logging & Error Handling Module**

- Store backend error logs
- Track failed API requests
- Map system error codes

## **21. Notification Module**

- Send signup confirmation emails
- Send order updates via email
- Send OTP via SMS
- Send delivery alerts

## **22. File Upload Module**

- Upload product/category/banner images
- Resize images
- Crop images
- Compress images

## **23. Admin Dashboard Module**

- View orders summary
- User statistics
- Sales analytics
- Quick admin shortcuts

## **24. User Dashboard Module**

- View recent orders
- Wishlist preview
- Wallet balance
- Personalized recommendations