

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