**Customer-Centric API Endpoints**

1. **GET /products**
   * Retrieve a list of all available products with filtering (category, price, location) and sorting options.
2. **GET /products/:id**
   * Fetch details of a specific product by ID, including description, images, price, and producer story.
3. **GET /products/search**
   * Search products by keyword with autocomplete suggestions and filters.
4. **POST /auth/register**
   * Register a new customer account with email, phone, or social media credentials.
5. **POST /auth/login**
   * Authenticate a customer and return a session token (e.g., JWT).
6. **GET /auth/profile**
   * Retrieve customer profile details (name, email, addresses, etc.).
7. **PUT /auth/profile**
   * Update customer profile information (e.g., name, phone, address).
8. **POST /cart**
   * Add a product to the customer’s cart with specified quantity.
9. **GET /cart**
   * Retrieve the customer’s cart contents, including products and total price.
10. **PUT /cart**
    * Update cart (e.g., change product quantity or remove items).
11. **DELETE /cart/:productId**
    * Remove a specific product from the cart.
12. **POST /orders**
    * Create a new order from cart contents, including delivery address and payment method.
13. **GET /orders**
    * Retrieve a list of customer’s past and current orders.
14. **GET /orders/:id**
    * Fetch details of a specific order, including status and tracking information.
15. **POST /orders/:id/cancel**
    * Cancel an order if within the allowed timeframe.
16. **POST /payments**
    * Initiate a payment through a gateway (e.g., Razorpay, Stripe) for an order.
17. **GET /payments/:orderId/status**
    * Check the status of a payment for a specific order.
18. **POST /reviews**
    * Submit a review and rating for a purchased product.
19. **GET /reviews/:productId**
    * Retrieve all reviews for a specific product.
20. **POST /wishlist**
    * Add a product to the customer’s wishlist.
21. **GET /wishlist**
    * Retrieve the customer’s wishlist.
22. **DELETE /wishlist/:productId**
    * Remove a product from the wishlist.
23. **GET /promotions**
    * Fetch active promotions, discounts, or coupon codes.
24. **POST /promotions/apply**
    * Apply a coupon code to the cart or order for a discount.
25. **GET /shops/nearby**
    * Retrieve a list of local shops stocking products, with map coordinates.
26. **POST /support/tickets**
    * Create a customer support ticket for queries or issues.
27. **GET /support/tickets**
    * Retrieve a list of customer’s support tickets and their statuses.
28. **GET /producers/:id**
    * Fetch details of a rural producer (e.g., story, village) linked to a product.
29. **POST /share/product/:id**
    * Generate a shareable link for a product to post on social media.

**Admin-Centric API Endpoints**

1. **POST /admin/auth/login**
   * Authenticate an admin/volunteer and return a session token with role-based access.
2. **POST /admin/products**
   * Add a new product with details (name, description, price, images, stock, producer info).
3. **PUT /admin/products/:id**
   * Update an existing product’s details.
4. **DELETE /admin/products/:id**
   * Remove a product from the catalog.
5. **POST /admin/products/bulk**
   * Upload multiple products via CSV or JSON for bulk addition.
6. **GET /admin/products**
   * Retrieve a list of all products with admin-specific details (e.g., stock levels, approval status).
7. **POST /admin/products/:id/approve**
   * Approve a product for listing after review.
8. **GET /admin/inventory**
   * Retrieve inventory status for all products, including low-stock alerts.
9. **PUT /admin/inventory/:productId**
   * Update stock levels for a specific product.
10. **GET /admin/orders**
    * Retrieve a list of all orders with filtering by status, date, or customer.
11. **GET /admin/orders/:id**
    * Fetch details of a specific order for processing.
12. **PUT /admin/orders/:id/status**
    * Update the status of an order (e.g., shipped, delivered).
13. **POST /admin/orders/:id/invoice**
    * Generate an invoice for an order.
14. **POST /admin/orders/:id/shipping-label**
    * Generate a shipping label for an order.
15. **GET /admin/analytics/sales**
    * Retrieve sales reports (e.g., total revenue, top products).
16. **GET /admin/analytics/customers**
    * Fetch customer insights (e.g., repeat buyers, demographics).
17. **GET /admin/analytics/producers**
    * Retrieve impact metrics for rural producers (e.g., products sold per village).
18. **POST /admin/promotions**
    * Create a new promotion or discount code.
19. **PUT /admin/promotions/:id**
    * Update an existing promotion.
20. **DELETE /admin/promotions/:id**
    * Deactivate a promotion.
21. **GET /admin/support/tickets**
    * Retrieve all customer support tickets with filtering by status or priority.
22. **PUT /admin/support/tickets/:id**
    * Update the status or response for a support ticket.
23. **POST /admin/shops**
    * Add a new local shop as a partner with location and stock details.
24. **PUT /admin/shops/:id**
    * Update details of a local shop.
25. **GET /admin/shops**
    * Retrieve a list of partnered shops and their stock.
26. **POST /admin/producers**
    * Add a new rural producer profile with story and village details.
27. **PUT /admin/producers/:id**
    * Update a rural producer’s profile.
28. **GET /admin/volunteers**
    * Retrieve a list of volunteers with their roles and activity logs.
29. **POST /admin/volunteers**
    * Add a new volunteer with role assignment.
30. **PUT /admin/volunteers/:id**
    * Update a volunteer’s role or status.
31. **GET /admin/logs**
    * Retrieve activity logs for admin actions (e.g., product edits, order updates).