

Kredo Analytics – Software Developer Intern Assessment

Stage 1 – Full Stack Development Project

Submission Deadline: 25th August 2025

Project Title

Online Product Catalogue & Order System

Disclaimer

The project submitted as part of this assessment is intended solely for evaluation purposes. Kredo Analytics will not use any part of the submitted work for production, commercial deployment, or any other purpose beyond assessment and skill evaluation.

Objective

Create a full-stack web application where users can browse products, view details, place orders, and an admin can manage products and orders. The aim is to assess your frontend, backend, logic building, and database skills.

Functional Requirements

1. User Authentication

- Sign Up (name, email, password) & Login (email, password).
- Password must be stored securely (hashed).

2. Roles

- **User** – Can browse products, search, view details, add to cart, and place orders.
- **Admin** – Can add, edit, delete products, and view all orders with customer details.

3. Product Management

- Each product should have: Name, Description, Price, Stock Quantity.
- Admin can add new products, update product details, and remove products.

4. Order Management

- User can add products to a cart and place an order by providing a delivery address after the cart stage (no payment integration).
- User can see their own past orders (optional but bonus if done).
- Admin can see all orders with customer details.
- Admin can update order status (Pending, Shipped, Delivered) — optional but bonus if done.

5. Search & Filter

- Search products by name or description.
- A simple common filter (e.g., by price range or category).

Technical Requirements

You can use any tech stack, framework, or language of your choice, such as:

- **Frontend** – HTML/CSS/JS, React, Angular, Vue
- **Backend** – Node.js, Django, Flask, Laravel, Spring Boot

- **Database** – MySQL, PostgreSQL, MongoDB

Your project must include:

1. Frontend – Responsive and user-friendly interface.
2. Backend – REST API or MVC backend to handle data requests.
3. Database – Proper schema for storing users, products, and orders.
4. Logic Building – Stock updates when orders are placed, input validations, error handling.

Evaluation Criteria

Criteria	Weightage
Frontend UI/UX	25%
Backend Logic & API Design	25%
Database Design & Queries	20%
Code Quality & Structure	15%
Completeness & Functionality	15%

Bonus Features (Optional)

- JWT authentication with role-based access.
- Product image upload.
- Pagination for products.
- Order email confirmation.

Submission Guidelines

1. Upload your complete project code to a public GitHub repository.
2. First preference – Deploy your application on any free hosting service (Netlify, Vercel, Render, Heroku, etc.) and share the live deployed link.
3. If deployment is not possible – Share screenshots of your application's UI and output screens.
4. Fill the submission form (link will be provided) where you must submit:
 - Your details
 - GitHub repository link
 - Live deployed link or screenshots as attachments