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# Diploy - Full Stack Developer Technical Task

## Objective:

Evaluate the candidate's ability to build a basic system where a **seller creates a product** and **pushes it to a WooCommerce store via API**.

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## Task Description

Build a simple **Full Stack web app** where:

1. A **seller** can:
  - Register/Login (simple authentication using JWT or session-based auth).
  - Create a **Product** with:
    - Product Name
    - Product Description
    - Price
    - Product Image URL
  - View a **list of their created products**.
2. **WooCommerce Integration:**
  - Integrate the WooCommerce REST API to **create** a product on a connected WooCommerce store when the seller creates a product.
  - Use WooCommerce's **/wp-json/wc/v3/products** endpoint.
  - Authentication via **OAuth1.0a** (Consumer Key & Secret) or **Basic Auth** (depending on WooCommerce store setup).
3. **Frontend:**
  - Minimal clean UI for:
    - Registration/Login
    - Product creation form
    - Product list page (showing products created by that seller)
4. **Backend:**
  - Expose RESTful APIs for user authentication and product CRUD.
  - Call WooCommerce API to push products from backend after product creation.
5. **Database:**
  - Use PostgreSQL.
  - Tables/collections: Users, Products.

#### 6. Bonus Points:

- Allow updating/deleting products and syncing updates to WooCommerce.
  - Add a product "status" field (e.g., "Created Locally," "Synced to WooCommerce," "Sync Failed").
  - Implement image upload functionality (optional — even URL is enough).
  - Handle WooCommerce API errors gracefully (retry logic, user-friendly errors).
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## Tech Stack Requirements (Preferred)

- **Frontend:** React.js / Next.js
  - **Backend:** Node.js (Express.js) preferred.
  - **Database:** MongoDB / PostgreSQL / MySQL.
  - **Authentication:** JWT token-based.
  - **WooCommerce API Docs:**  
[WooCommerce REST API v3 - Products](#)
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## Expected Deliverables

- GitHub repository link with clean code and README (setup steps).
  - Postman collection (optional bonus).
  - Basic deployment (even locally using ngrok, Vercel, or Render).
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## Timeframe

- **Deadline:** 48 hours from assignment.
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### Notes:

- Create your own WooCommerce store credentials (Consumer Key, Consumer Secret, API URL). Share file access to replace that with ours for testing
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