# Project Fotocopy Ngagel97

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## Overview

Fotocopy Ngagel97 Web Application is a platform designed to streamline printing services. It provides functionalities for customers to place orders, admins to manage orders, and masters to oversee reports, managing users, and handling products.  
  
This application is part of the Software Development Project coursework, showcasing practical application of software engineering principles in building a real-world web-based solution.  
  
**The application is hosted and can be accessed online at:** [**ngagel97.vercel.app**](https://ngagel97.vercel.app)

## Setup and Installation

To run this application, follow these steps:  
  
1. Extract the source code to a directory of your choice.  
  
2. Navigate to the project directory:  
  
 cd ngagel97  
  
3. Install dependencies:  
  
 npm install  
  
4. Set up environment variables if required. This step is optional if a `.env.local` file is already included in the source code with valid configurations. (See [Environment Variables](#_Environment_Variables)).  
  
5. Start the application in development mode (recommended to avoid long build times):  
  
 npm run dev  
  
6. Alternatively, for production mode:  
  
 npm run start  
  
7. If necessary, build the application:  
  
 npm run build

## Environment Variables

Create a `.env.local` file in the root directory and add the following variables:  
  
MONGODB\_URI=mongodb+srv://joygemilang17:MXqZCvgq7cgB81qn@projectsdp.hhfrd.mongodb.net/ngagel97?retryWrites=true&w=majority&appName=ProjectSDP  
JWT\_SECRET=NGAGEL97ASLINYAVINDI  
NODE\_ENV="production"  
BLOB\_READ\_WRITE\_TOKEN="vercel\_blob\_rw\_MNyziu33qAkbhPjN\_ofGuHOMC3bBenQtLSHvI6e0aqGWAo0"  
MIDTRANS\_SERVER\_KEY=SB-Mid-server-yj9lQgWs-AOo9aiYKcLfX6iZ  
MIDTRANS\_CLIENT\_KEY=SB-Mid-client-NgrTXoIsgR5SCKaf

## Features

### General User

Features:   
- Log in to the application.  
- Register an account.   
- Navigate to home page.

### Customer

Features:  
- Browse available printing services and add-ons.  
- Place and manage online orders.  
- Manage cart.  
- Checkout online by providing shipping address and make online payments. (See [Midtrans Mock Payments Guide](#_Midtrans_Mock_Payments).)  
- Track order status (including transaction history and invoice generation).  
- Manage account profile.

### Admin

Features:  
- Manage online orders (update status).  
- Record offline transactions.  
- View transaction history and generate invoices.

### Master

Features:  
- View sales reports and daily transaction reports.  
- Manage add-ons, services, and items (CRUD operations).  
- Manage user roles and permissions.

## Default User Accounts

To test the application, use the following default user accounts:  
  
Customer Account:  
- Email: weny@gmail.com  
- Password: Password123  
  
Admin Account:  
- Email: admin  
- Password: 123  
  
Master Account:  
- Email: master  
- Password: 123  
  
New accounts can be created via the registration form. By default, all newly registered accounts are assigned the role of Customer. If you need to change a customer's role to Admin or vice versa, this can be done through the Manage User Roles feature, which is accessible by the Master role.

## Midtrans Mock Payments Guide

The Fotocopy Ngagel97 Web Application integrates with Midtrans to provide online payment capabilities. This guide explains how to test payments using Midtrans Mock Payments.  
  
Steps to Test Payment with Midtrans Mock Payments:  
  
1. On the checkout page, click the "Proceed to Payment" button.   
 This will open the Midtrans Snap interface to choose a payment method.  
  
2. Select your preferred payment method from Snap, then copy the code provided.  
  
3. Open the website Midtrans Payment Simulator.   
 Choose the payment simulator that matches the method you selected in Snap.  
  
4. Paste the code from Snap into the Midtrans Payment Simulator, click "Inquire," and then click "Pay" to complete the simulated payment.  
  
5. Return to the Snap page and click the "Check Status" button, then click "OK" to update the transaction status.  
  
By following these steps, you can simulate the payment process completely without making real transactions.