



Jewelry Website (Smart Jewelry)



Team Name: Intl Studs

Team Members:

Chandra Sekhar Singuru

Uday Surneni

Raghavendra Naidu Nayanuri

PROJECT GUIDE

DR.ERIK FREDERICKS

Introduction

Brief overview of the project:

- Develop a seamless and interactive jewelry store web application.
- Focus on user-friendly browsing, communication, and purchasing.

Technologies used:

- Frontend: PowerApps
- Backend: SharePoint, Power Automate

Key Features:

- Dynamic image sliders
- User-admin communication via chat
- Secure user authentication and management

High-Level Project Overview



Team Member Contributions

Uday Surneni

- Requirement analysis and implementation of authentication.

Chandra Shekar

- Design and integration of dynamic image sliders.

Raghavendra Naidu

- Backend configurations in SharePoint and chat implementation.

Changes Since the Midterm

- Transition from React/Node.js to PowerApps and Power Automate.
- Enhanced security:
 - Implementation of multi-factor authentication for admins.
- Improved responsiveness:
 - Mobile and desktop optimization for better UX.
- Added advanced search and filter functionalities.

Challenges & Resolutions

Challenges:

- Transitioning tech stack mid-project.
- Optimizing image slider performance.
- Ensuring secure communication via chat.

Resolutions:

- PowerApps simplified rapid prototyping.
- Used optimized image formats for fast loading.
- Implemented HTTPS encryption and RBAC for security.

Time Goals and Deliverables

- **Did we hit our goals?**
 - Initial timelines slightly extended due to the tech stack switch.
 - All core features delivered within the final timeline.
- **Final Deliverables:**
 - A fully functional jewelry store application ready for use.
 - Comprehensive documentation and a demo video for installation.

Did We Meet Our Goals?

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How to Install or Access the Application

Access the
Application: [URL](#)

Visit the hosted URL

Log in or register to
explore features.

Install Steps:

Clone the repository
from GitHub

Import the app into
your PowerApps
environment.

Link the app to your
SharePoint site for
data storage.

Import Power
Automate workflows
for notifications and
automation.

Requirements:

Microsoft 365 account
with PowerApps and
Power Automate
access.

SharePoint site for
backend setup.

Support:

Follow the user guide
on GitHub.

Contact the team for
any assistance.

Demonstration and Deployment

Key Features:

- Dynamic product slider
- Advanced chat support with attachments
- Admin dashboard for product management

Deployment Instructions:

- Access via Microsoft PowerApps
- SharePoint integration for database
- Automated workflows using Power Automate.

Conclusion and Next Steps

- **Conclusion:**
 - The application successfully meets the needs of the jewelry store.
 - Provides a scalable, secure, and user-friendly solution.
- **Next Steps:**
 - Explore AI integration for personalized recommendations.
 - Add multilingual support for international users.



Thank You