Jewelry
Website
(Smart
Jewelry)



Team Name: Intl Studs

Team Members:

Chandra Sekhar Singuru Uday Surneni Raghavendra Naidu Nayanuri

PROJECT GUIDEDR.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.

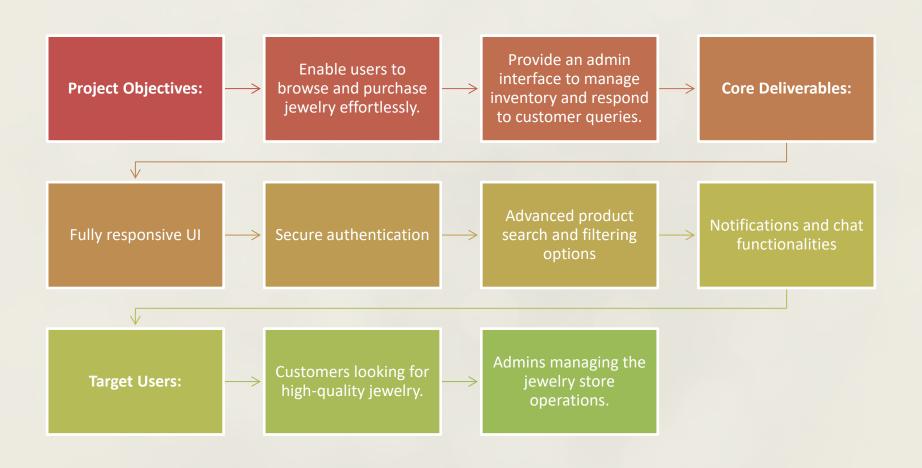
Technologies used:

- 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