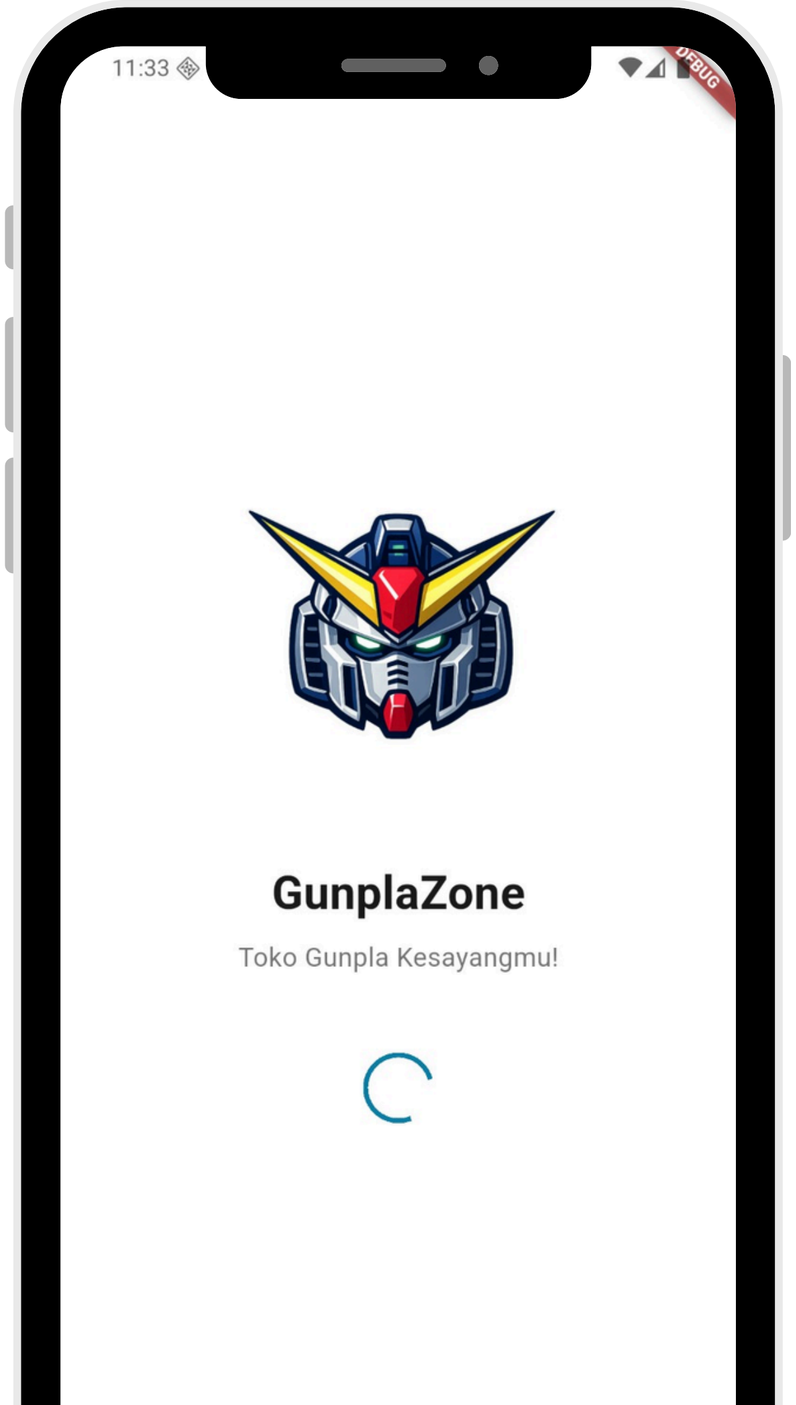
# GunplaZone
# Apps

GunplaZone is an Android-based online store application specifically designed to sell various types of Gundam collectible items, particularly Gunpla model kits with different grades, scales, and quality levels.

Explore Now



# Members

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**06**
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**Harizaldo Alfaraze - 1002230005**

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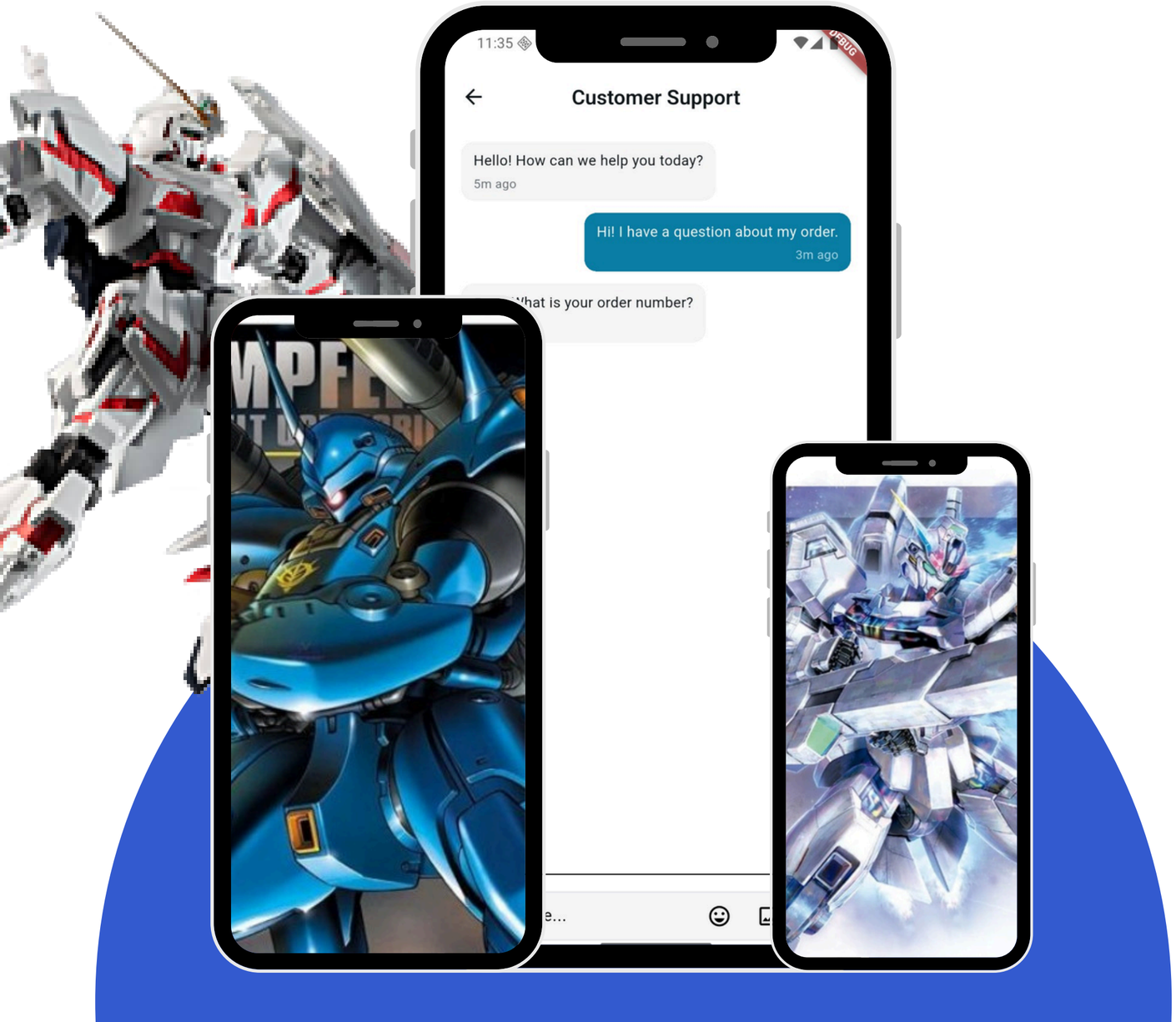



# Background & Apps Objectives

## Background

- The rapid development of mobile technology has changed the way people shop
- Gunpla enthusiasts need a dedicated platform for Gundam collectibles
- GunplaZone is developed as a specialized e-commerce solution for Gunpla

## Application Objectives

- To simplify the process of searching and purchasing Gunpla
- To provide a well-structured product catalog
- To deliver a simple and comfortable shopping experience

# Application Features

**01** **Google & Apple Authentication**
Allows users to securely sign in using their Google or Apple accounts.

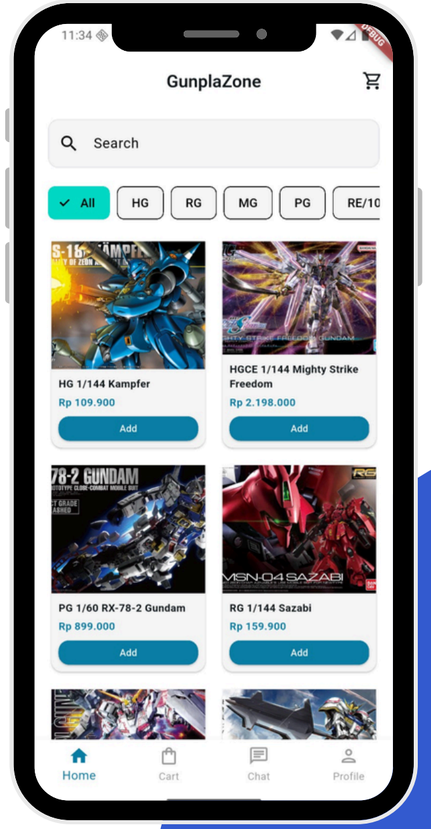
**02** **Product Catalog & CRUD (Admin)**
Displays a list of products and enables administrators to create, read, update, and delete product data.

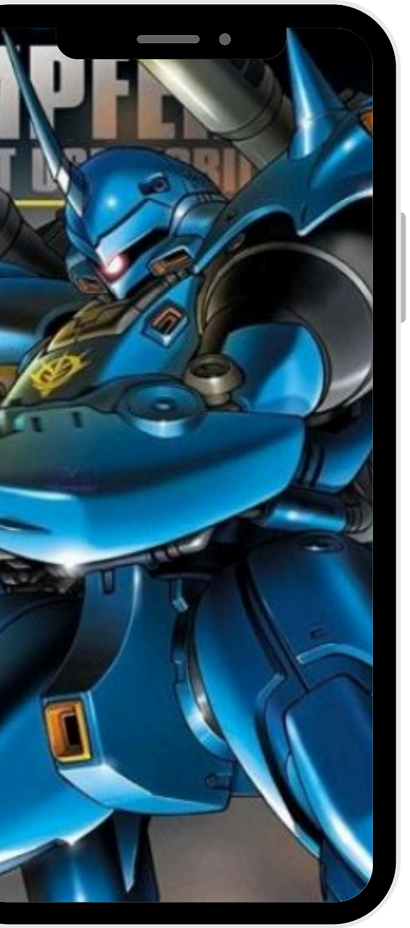
**03** **Shopping Cart & Checkout**
Enables users to add products to a cart and complete the purchase process.

**04** **Real-time Chat Support**
Allows users to communicate directly with customer support in real time.

**05** **Order History**
SDisplays a list of past orders along with their current status.

**06** **Light & Dark Mode**
Provides theme options to improve user comfort in different lighting conditions





# Technical Details

**01** **Flutter (Dart) framework**
Used as the main framework to develop a cross-platform mobile application using a single codebase.

**02** **Provider (state management)**
Manages application state such as user data, products, and shopping cart efficiently.

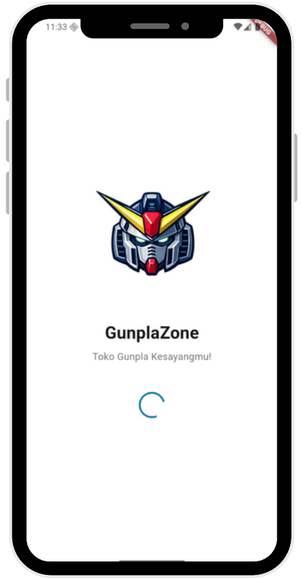
**03** **GoRouter for navigation**
Handles page navigation and routing in a structured and easy-to-maintain way.

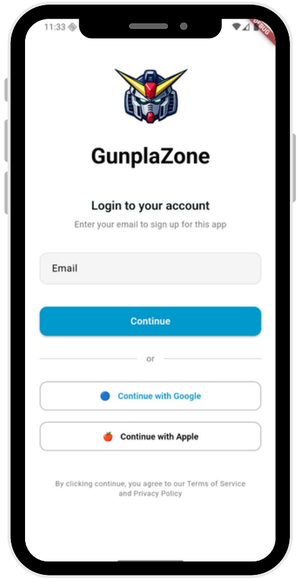
**04** **Dio for REST API**
Acts as an HTTP client to communicate with the backend REST API.

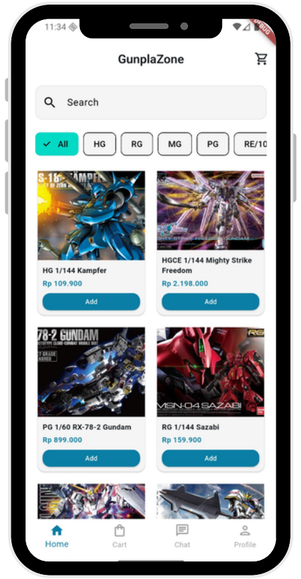
**05** **Firebase Auth & Chat**
Provides secure user authentication and real-time chat functionality.

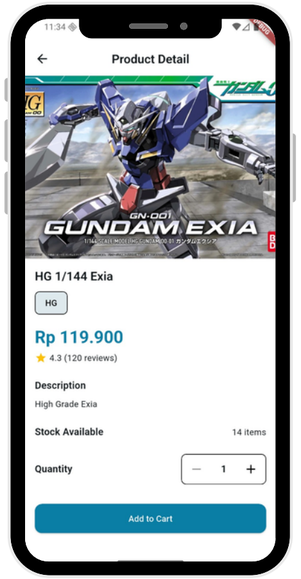
**06** **SQLite & SharedPreferences**
Stores local structured data using SQLite and simple preferences using SharedPreferences.

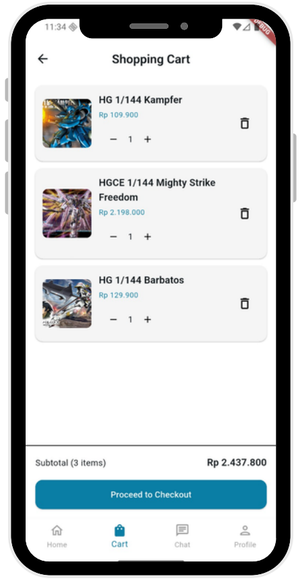
# Application Interface

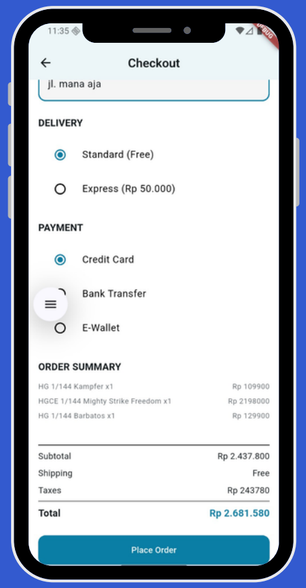


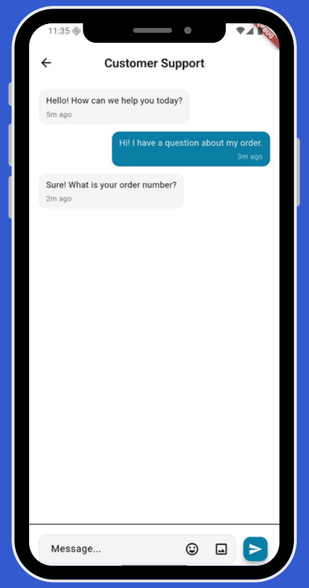



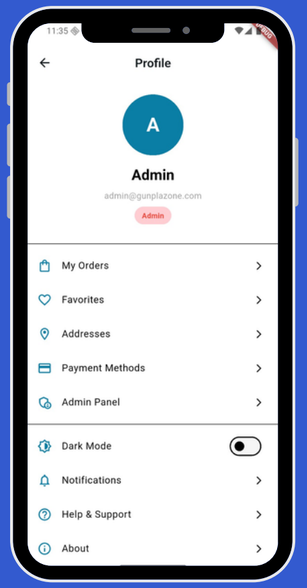



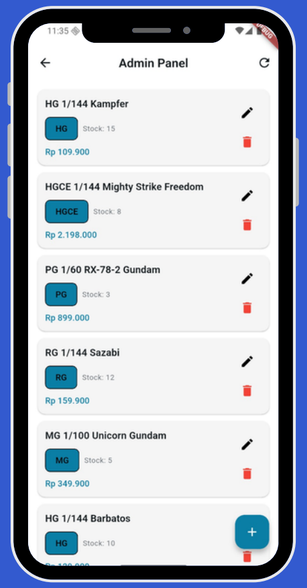



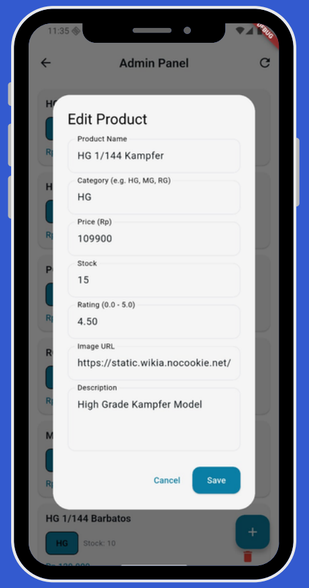



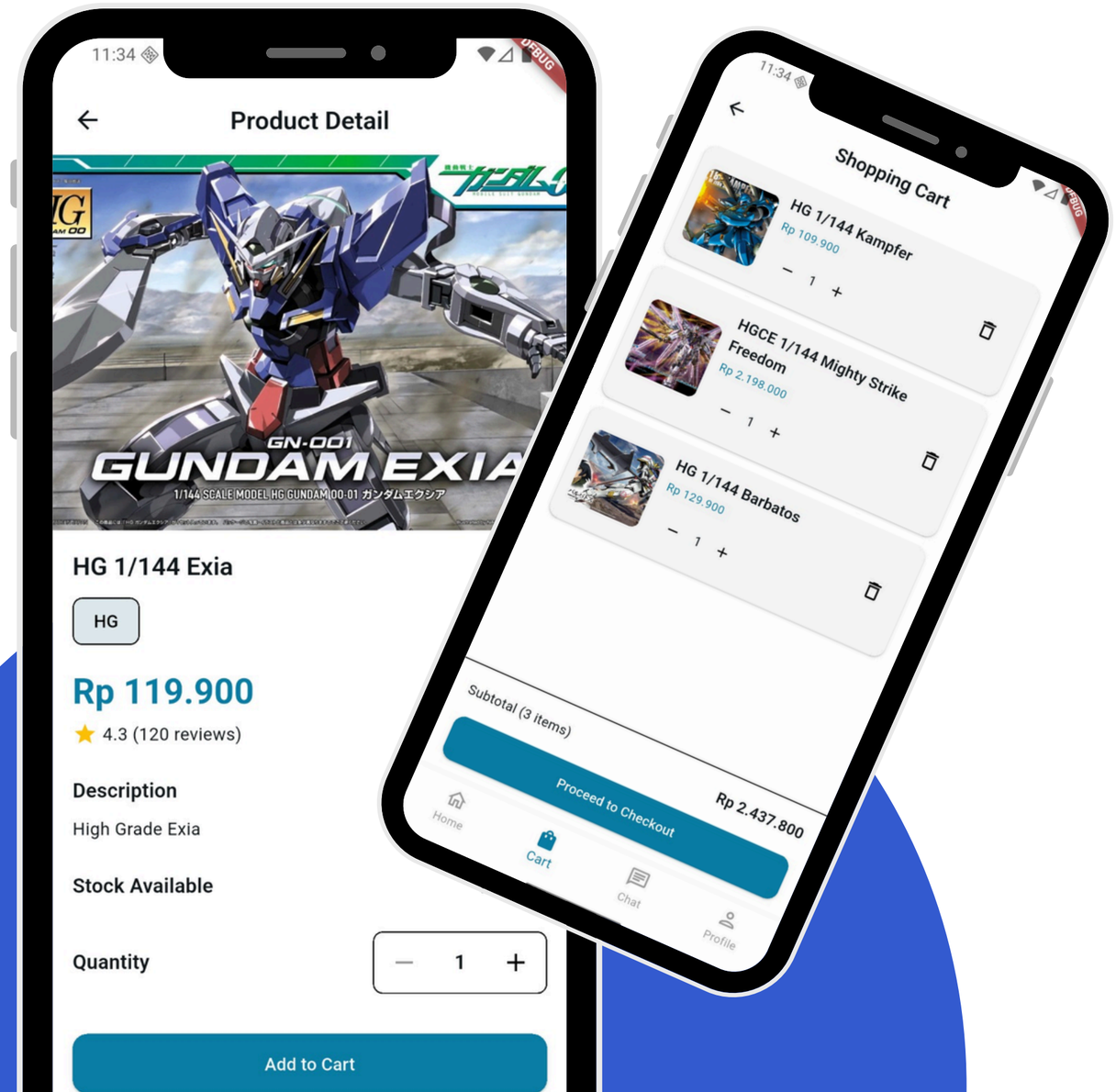



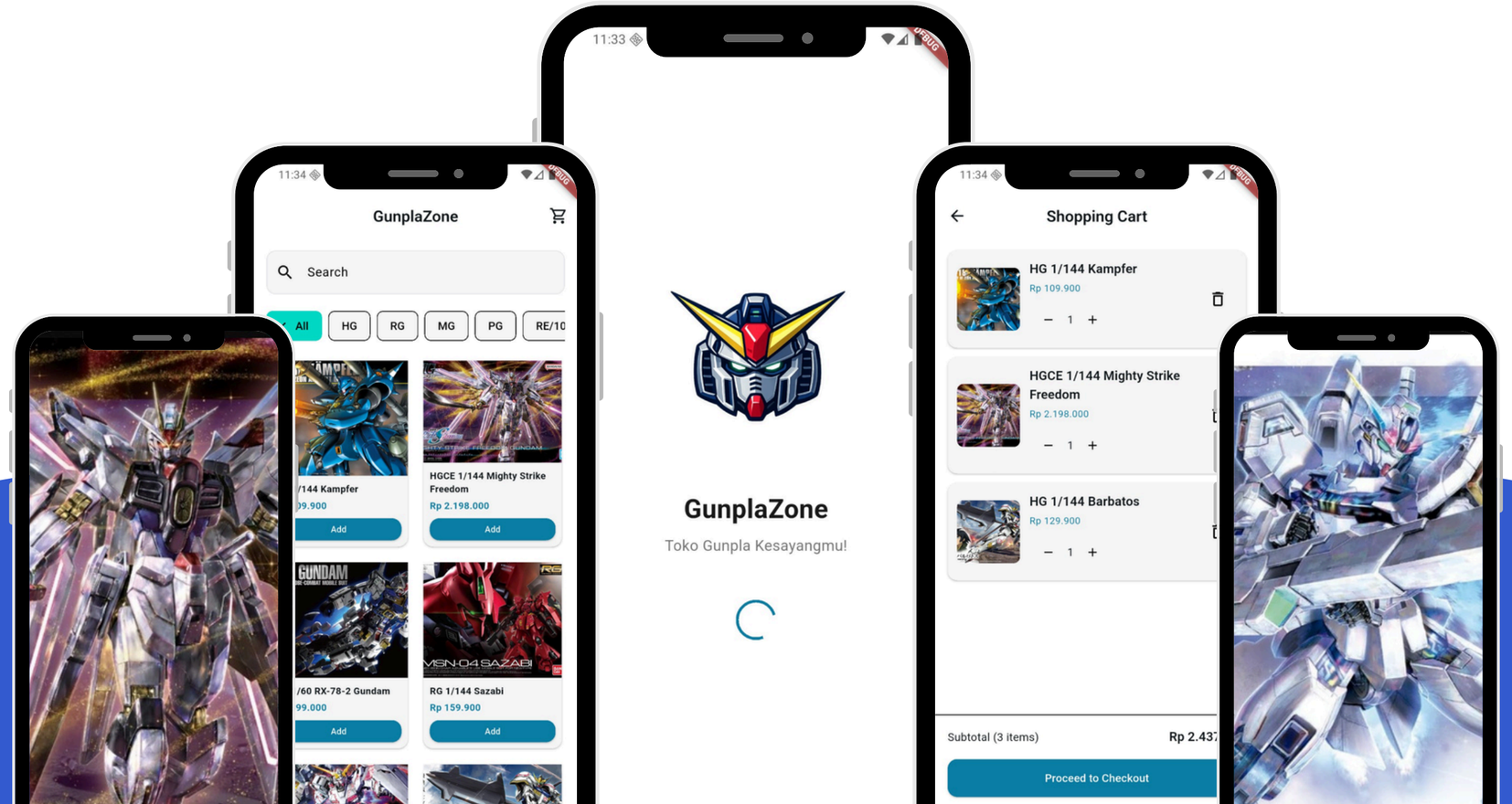



# Conclusion

**GunplaZone** is a Flutter-based e-commerce application that provides complete shopping features and implements a modern, structured architecture to ensure scalability, usability, and ease of future development.



# Thank You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GunplaZone
Toko Gunpla Kesayangmu!
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Search
All
HG
RG
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PG
HGCE 1/144 Mighty Strike Freedom
Rp 2.198.000
Add
RG 1/144 Sazabi
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Shopping Cart
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HGCE 1/144 Mighty Strike Freedom
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Subtotal (3 items)
Proceed to Checkout