ArtSoft
consult

The Art of Software Development

Mobile application for managing wholesale business operations in the perishable goods sector

Key Information

Industry:
Commerce

Project duration:
3 months for the first release,
ongoing maintenance

Team Size:
10 specialists

Technologies:
- Android SDK, ksoap2, ActivityGroups,
  TabActivity, Web Services

Services:
- Architecture and design
- API Integration
- Maintenance & Support

Highlights

- Integrated mobile solution within a broader system supporting Android, Swing, and web clients

- Real-time communication with the main server using web services

- Efficient **inventory and order management** with **barcode scanning**

- Continuous updates and customization based on client preferences

ArtSoft
consult

Product Overview

A mobile application designed for wholesalers, importers, and producers in the perishable goods industry.
The app facilitates inventory management, **sales processing**, and **order fulfillment** while integrating **barcode scanning** and media capture functionalities.

Challenges

To meet the demanding conditions of the wholesale market, the application needed to ensure **high reliability** and **fast response** times. Given the intensive usage in climate-controlled environments, **optimizing battery consumption** was a key requirement. Additionally, the solution had to provide an intuitive and efficient barcode-based navigation system to enhance accuracy and streamline operations.

Requirements

The client required a mobile solution to efficiently manage wholesale business processes using handheld devices.

The application had to integrate with an existing backend system, providing **real-time data synchronization** and supporting daily business operations.

Mobile screen (upper right)

CARRIER   2:15 PM

| Cust1 | Cust2 | Cust3 | Cust4 | Cust5 | Sys |

Agrotropic AG

Aspid	Aspidistra 80cm
1*20	
1.8	36
variety	
80cm	ISRAEL
80cm	0.0000
repack with bi-color serrez	
678	
On Order	

| Back | Prev Item | Next Item | Pallet |

Mobile screen (lower center)

CARRIER   1:50 PM

| Cust1 | Cust2 | Cust3 | Cust4 | Cust5 | Sys |

Pick Complete for Order:	107281
Balmoral Floral Supplies Ltd for Friday,19 Dec , '14	
Number of Order Items :	2
Number of Picked Items :	1
Number of Deferred Items :	0
Items missed:	1

More

ArtSoft consult

Provided Solution

To address these challenges, we developed an Android application that seamlessly communicates with the central server using ksoap2 and web services.

The user interface was designed with ActivityGroups and TabActivity functionalities to ensure smooth navigation and ease of use. A barcode scanning feature was integrated to **simplify workflows** and **minimize inventory management errors**. Additionally, a flexible configuration system was implemented via a preferences file, allowing the application's behavior to be customized based on client needs.

The solution has been successfully deployed in multiple wholesale markets and continues to be enhanced with new features and improvements.

" Client Words

I can thoroughly recommend Artsoft who have provided a flexible, professional but friendly response to our needs. I chose Artsoft for the following reasons, and I have not been disappointed:

- *Our Project Team varies in size depending upon needs and Artsoft have a pool of expertise for us to draw upon; Senior developers, Developers, Sql specialists etc.*

- *The quality and robustness of the code produced is excellent.*

- *Although we carry out 'user design' in the Uk we use Artsoft as a more than a simple off-shore programming resource. Artsoft are our 'technology partner' able to participate and advise on crucial design issues.*

- **Owner and CEO**

ArtSoft
consult

Let's get in touch

ArtSoft Consult is a trusted partner in the IT industry, providing tailored solutions to address your unique business challenges.

With our proven expertise our team delivers innovative solutions and development services.

Drawing from years of experience and industry insights, we deeply understand this industry and we look forward to working with your business.

For more details on our services and team, please **contact us**.

ArtSoft
consult

Str. Eugen Ionesco, nr. 1A
Cluj-Napoca, Romania, 400357

🌐 **www.artsoft-consult.ro**

✉ **office@artsoft-consult.ro**

📞 **+40 0264 403 662**

+40 0264 403 489