

Mobile application for checking product information, including in stock and on-the-shelf availability

Case study

Client:

**The second biggest
retailer in Europe
with more than 345K
employees working
globally**

Technologies and tools:

Android

iOS

Java

Microservices

Kubernetes



A dedicated Luxoft team was involved in releasing a single global application program



Creating a single global end-to-end application

For a global retail client

Challenge

Our client is the second biggest retailer in Europe with more than 345K employees working globally. The digitalization process of the business has been stretched over many years, as a result, our client was faced with a situation where different legacy applications and services were repeating the functionality of each other. This, of course, increases maintenance costs, slows down the speed of developing new features, makes support more difficult and time-consuming, and diverts the client's resources away from where they might be better applied. One of these inefficient functionalities were 2 mobile applications for internal use, that were in fact installed in each retailer's store, and were being used in parallel, but in different locations and on various types of devices. The apps were responsible for being able to quickly determine how much of each product was left on store shelves and in stock, whether additional items were needed, and the other had several useful functions which used products' barcodes.

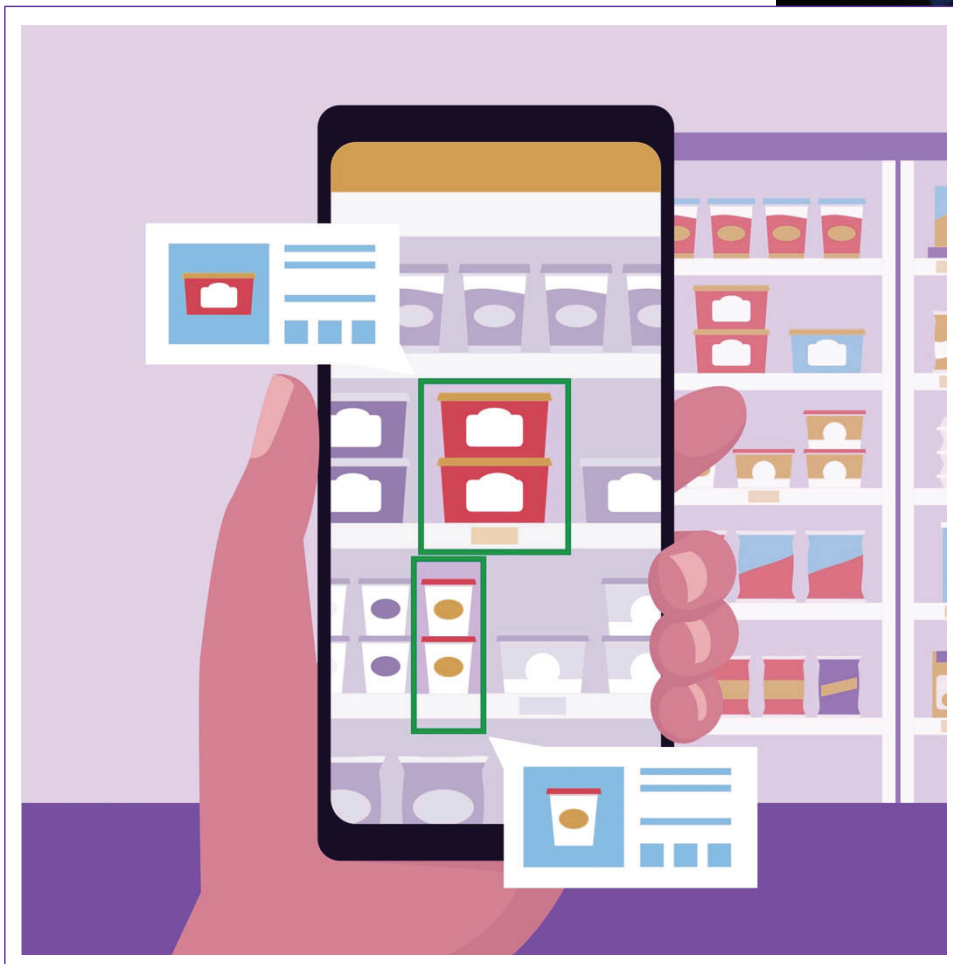
With several failed attempts to combine these two applications into one by themselves, the client decided to involve Luxoft in order to accelerate the release of a single global application. This new single application meant that the previous two became obsolete.

Solution

After a deep dive into this area as well as verifying all the client's needs, Luxoft's dedicated team began to create a single global end-to-end application, from scratch. The new single application combined the features of the existing applications, but at the same time it was more modern, scalable and easier to use.

Our team's significant domain and IT experience allows them to work autonomously, and they were quickly able to reach the following targets:

- Back-end was completely re-developed and renovated
- The application was built on a brand new architecture that allows making any further changes easier by developing and simply adding new modules
- Can be used on all types of in-store devices
- Features that were needed from the obsolete applications have been added to the new application
- The application has multi-language support



Results

- Modern, scalable, user-friendly and more functional application
- Successfully released in almost 2,700 stores across the UK and ROI and used on 24,650 devices
- Operational cost savings due to combining the applications
- Considering previous negative experience, the client's stakeholders and end users were positively impressed by the velocity of delivery and quality of the release provided by Luxoft
- The architecture has been re-built and it is now extremely easy to create new features in a very short period of time, with no significant risk of failure

Technologies

Android, iOS, Java, Microservices, Kubernetes

About Luxoft

Luxoft is the design, data and development arm of DXC Technology, providing bespoke, end-to-end technology solutions for mission critical systems, products and services. We help create data-fueled organizations, solving complex operational, technological and strategic challenges. Our passion is building resilient businesses, while generating new business channels and revenue streams, exceptional user experiences and modernized operations at scale.

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