



Improving Parent Engagement

Multi-Platform Mobile Solution

Industry: Education Services



PROJECT OVERVIEW

QBurst designed and developed a mobile application that improves collaboration between parents and schools. We leveraged the capabilities of Oracle Mobile Application Framework (MAF) and Mobile Cloud Service (MCS) to deliver an application compatible with iOS, Android, and Windows devices.

This application helps parents track student performance, achievements, and activities, while enabling school staff with features such as student search, notification management, and news updates.

CLIENT PROFILE

Our client is a young and enterprising company that develops smart solutions for educational institutions in Asia. Founded in 2009, the company provides ERP and CRM solutions to clients in the educational vertical.

BUSINESS REQUIREMENT

Our client wanted to develop a mobile application that facilitates communication and collaboration between parents and faculty.

- A digital solution to notify parents about student performance, upcoming events, and activities
- A solution that provides quick access to student details on-the-go
- An analytic platform to monitor usage of the application

QBURST SOLUTION

The application was developed for iOS, Android, and Windows devices with a login feature for parents and school faculty. From the homepage, users can navigate to activities, events, gallery, performance reports and more. Faculty users can update information on these pages, while admin users can monitor usage (analytics), notifications, and security issues in the mobile cloud instance.

Mobile Application Framework

We recommended Oracle MAF due to its interoperability, rich user experience, device services integration, and built-in security. From a development perspective Oracle MAF accelerates mobile application development with a single Java codebase that caters to multiple mobile OSs.

- Offline support using encrypted SQLite
- Built-in security for authentication, authorization, and encryption support
- Extension of existing enterprise applications to mobile

KEY FEATURES

- Highly secure OAuth2 authentication for login
- Notifications for activities, events, and gallery updates
- Feature rich home page with navigation feature
- Easy access to school media gallery
- Enhanced student search feature
- Responsive student performance report using enhanced data visualization components
- Push notification support to ensure content is up-to-date
- Google Maps for tracking event location



TECHNOLOGIES



BUSINESS BENEFITS

- Reduced development costs by 32% with accelerated development leading to quicker time-to-market
- Helped to strengthen client's capabilities in Oracle-based mobile application development, adding new wings to the company's offerings
- Independently managed subsequent deployments at various K-12 schools and educational institutions with minimal customization effort



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