ABTO Software
Mobile Solutions Overview

Boost your productivity – invest in Mobile Applications!

We live in the age of mobile technologies and Smartphone. The universal mobility has already changed business dynamics and radically impacted on overall human life, and it is becoming more and more clear that mobile devices have endless business potential. They enable companies around the globe to perform a lot of business activities, including interacting with their existing or reaching their potential customers by means of mobile applications. Be it a smartphone or a tablet, Android or BlackBerry platform, used for business or individual needs, high quality mobile applications' mission is to advance and enrich our everyday experience via its mobile functionality. We at ABTO Software are proud to provide our customers with unique **custom mobile application development** services, help them expand the business and boost their performance on the rapidly growing market of mobile apps.

Raise your business to the next level with our unique services

As one of the top performing **software development companies** of Eastern Europe, we at ABTO Software are now providing Mobile Applications Development Outsourcing services in almost 20 countries at varied levels depending on our customers' needs. We develop mobile software and deliver mobile application development as well as provide mobile product engineering services for construction and professional services businesses, educational and financial institutions, healthcare and government organizations to help them achieve their varied business objectives. We see our main goal in creating unique, customized, value-added and cost-effective mobile solutions tailored exactly to our customers' specific business requirements to help them increase their business efficiency and productivity.

Our **mobile development services include:**

- ✓ iPhone/iPad/iOS Application Development
- ✓ Android Application Development
- ✓ BlackBerry Application Development
- ✓ Windows Phone Application Development
- ✓ Rich Mobile Web Application Development

Our expert teams are experienced in the development of handset software for business and entertainment consumer markets, which includes:

- ✓ IP telephony for Mobile Devices
- ✓ VoIP/Softphones Development
- ✓ Custom Mobile Software Development
- ✓ Mobile Learning Solutions / Educational and kids apps
- ✓ Porting Applications across Various Platforms
- ✓ Barcode Scanning Software
- ✓ Applications with GPS Navigation
- ✓ Push e-mail implementation
- ✓ Integration of Mobile Solutions to Enterprise Systems

- ✓ Mobile Games Development
- ✓ Chats / Entertaining and leisure apps
- ✓ Communication and messaging apps
- ✓ Financial Mobile Applications
- ✓ Sales and Field Force Mobile Solutions
- ✓ Payment Processing Solutions
- ✓ Time Management Solutions / Applications for business planning and management
- ✓ Medical and healthcare applications
- ✓ Video and Audio Streaming for Mobile Devices
- ✓ Mobile for Publishing
- ✓ Field Reporting

Trust your mobile application ambitions to our dedicated team of mobile development experts

With expertise of using diverse mobile platforms, our competent Ukrainian team of **mobile applications developers** helps customers, both individuals and organizations of various scale, bring their iPhone/iPad, Android, BlackBerry mobile application ideas to life, thus creating new business opportunities and models. The customized mobile applications created by ABTO Software's mobile development team prove to be beneficial to our multiple customers in generating maximum return on initial development investment.

When proposing iPhone/iPad, Android, BlackBerry, Windows Phone or Mobile Web solutions to our customers, we apply both our vast technical expertise and best business analysis practices. We always want to make sure that our scalable, highly performing mobile applications comply with enterprise quality standards and meet the needs of our customers' specific businesses while remaining accessible and visually impressive to all the potential clients.

If you need for a long lasting cooperation with an experienced and reliable mobile development partner, ABTO Software will help you meet your production goals keeping within your budget and time frame. Here are the main benefits of hiring our Ukrainian mobile development team:

- We follow reliable, proven and polished yet extremely flexible workflow in the mobile app development process from the very early stages of every project and up to the delivery and support stages
- You will work with an offshore/nearshore team of experienced mobile apps developers, designers and managers
- We provide mobile & cross-platform development experts' support on all levels of the development process
- We always use the best tools and the most appropriate technologies for your custom mobile apps development
- We can provide convenient collaboration model as per customer's individual choice
- Our company offers competitive pricing & guarantees timely delivery
- We perform first-rate mobile apps testing, customer support and project maintenance after its completion

Our Technology Skill Set in Custom Mobile Applications Development includes:

Our mobile development specialists are well versed with the latest technologies used in the modern mobile application development world.

- **Tools**: .NET Compact Framework, iPhone SDK, BlackBerry Java Development Environment (JDE), Android SDK, Cocoa Touch (mobile GUI), Facebook IOS/Android SDK, MGTwitterEngine, Android NDK, OAuth, Twitter .OS SDK (MGTwitterEngine), Instagram SDK, Google search SDK, REST, XMPP, VNC, Geolocation & Geocoding SDKs, Android Developer Tools.
- **Frameworks**: Titanium, Sencha, Phonegap, jQuery Mobile, Corona, Unity, Cocos2D/3D, Open GLES, Open CV, Box2D.
- **Programming languages**: C/C++, C#, Objective-C, Java, HTML5/JavaScript.
- **Data and Resources**: MS SQL Server, MS Analysis Services, BlackBerry Enterprise Server (BES), Mobile Data System (MDS), SQLite, ORM-Lite.

The latest handheld computing technologies used by our mobile apps developers allow us to create high-end **mobile development** solutions helping our customers to accelerate their business. We cover all major existing **mobile platforms**:

- ✓ iPhone/iPad
- ✓ Android
- ✓ Windows Mobile
- ✓ BlackBerry
- ✓ Palm OS
- ✓ Symbian OS
- ✓ Mobile Web Apps

Your Business Benefits

With our applications for mobile devices our customers are able to:

- ✓ Use the latest technology for better and faster data presentation, input and processing
- ✓ Benefit from instant access to up-to-date business data and corporate information
- ✓ Significantly improve business performance and decision-making capabilities
- ✓ Raise workforce productivity through better time and efforts management
- ✓ Increase responsiveness to customers and improve other aspects of customer service
- ✓ Gain competitive advantage on the market

Industries we deliver Custom Mobile Development Services for

We at ABTO Software offer affordable customized mobile development without compromising on quality. We have built a wide range of optimal solutions for mobile devices based on various platforms. While delivering the complete range of **mobile development services**, our mobile development specialists build mobile apps, games, mobile web apps for all the major smartphone/tablet platforms catering various businesses worldwide:

- ✓ Banking & Finance
- ✓ Distribution & Retail
- ✓ Construction
- ✓ Government
- ✓ Professional Services
- ✓ Healthcare/Medical
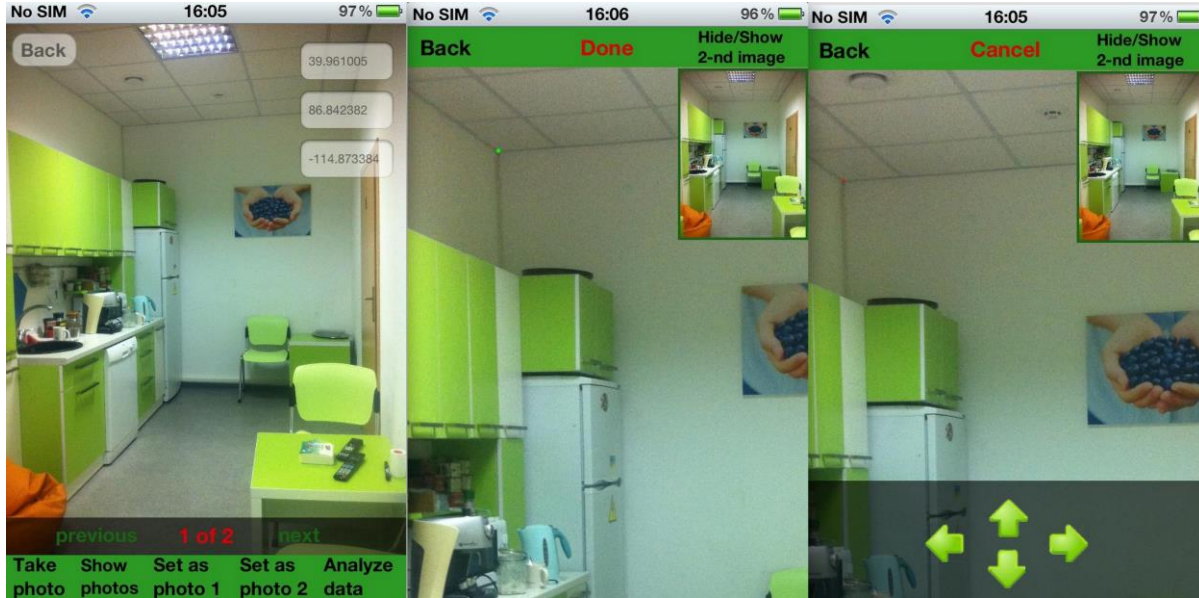- ✓ Media & Entertainment

Our Mobile Development Projects Portfolio

ABTO Software has vast experience in creating mobile applications and providing mobile solutions for every smart device based on all the prevalent operating systems. Our expertise in **mobile development** comes from years of experience – and from our passion to innovate, to create something new and amazing. Our wide range of mobile development projects includes small apps as well as large, enterprise size products.

Please, take a look at some of our featured mobile apps development projects accomplished for our global customers below:
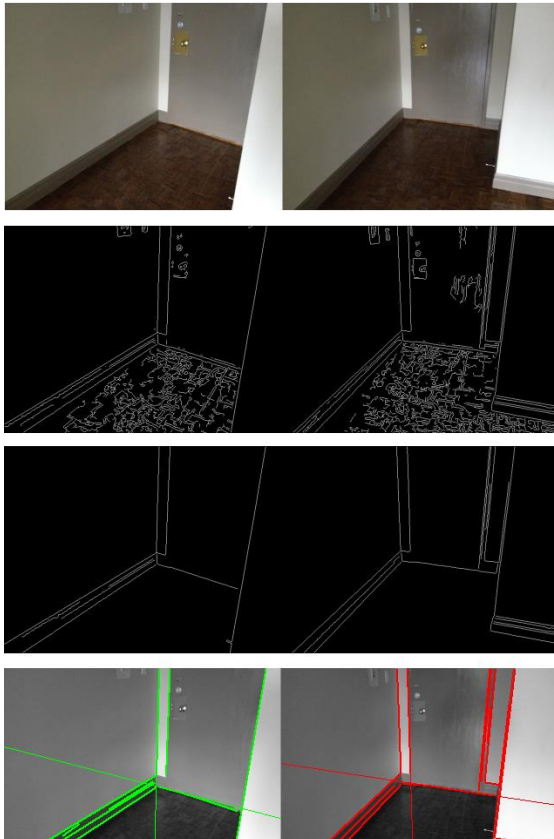
Phantom Scanner – Mobile App for Creating 3D Reconstruction Model

Industry: Construction, Distribution & Retail, Professional Services, Research / Modeling

To help our Canadian customer, a real estate agency, achieve its business goals our mobile development experts researched the possibility to create a 3D premises layout. As a result, our specialists developed an excellent mobile application, Phantom Scanner, which, by means of line detection, feature points detection and homography matrix, as well as video and image processing, allows to really fast create a 3D reconstruction of an apartment by any mobile device.

The whole process of building a 3D model of a room is shown on the pictures below:

- find edges using Canny method
- find points which have 3 or more neighbors
- simplify obtained curves into line segments
- find straight lines which contain found line segments
- find corresponded lines on the both images
- track of special points/lines
- build a 3D model

This truly unique and convenient application can come in handy for both individual tenants, or rent agencies, or even construction firms.

Technologies used: C++, iPhone, Matlab, OpenCV

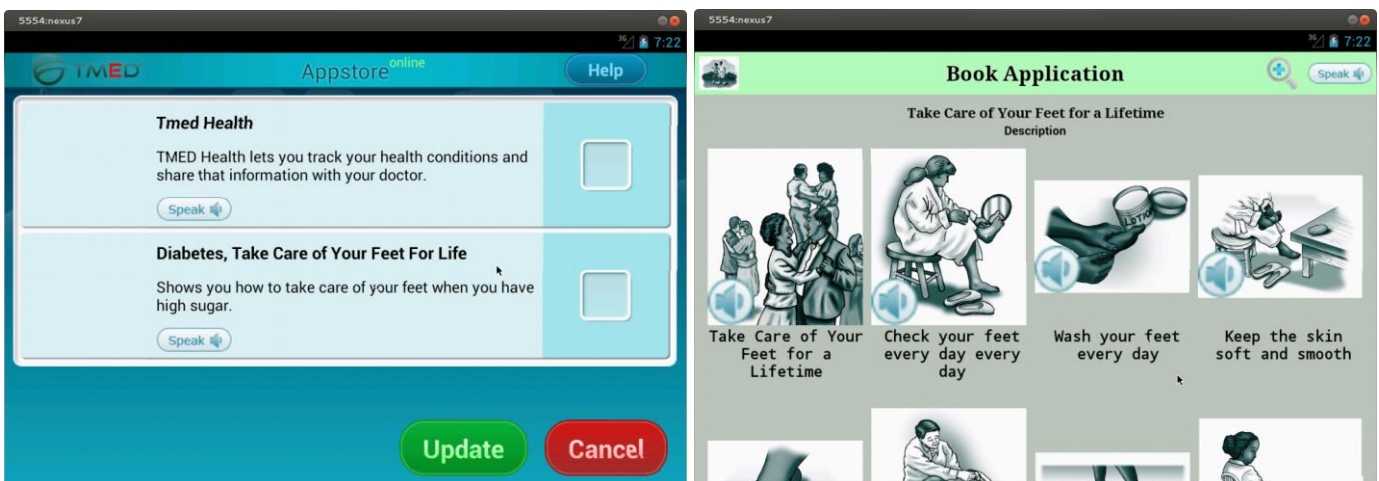## TMED – Customized Android Operating System (OS)

Industry: Healthcare/Medical

ABTO Software successfully created custom medical software specifically for the needs of medical clinics of various types. This customized operating system is developed for Android tablets which are given out to patients to use while in clinic or at home.

The system contains general useful healthcare information and a number of applications depending on patients' healthcare specialization. For example, using one of the specific apps allows users to track their health conditions themselves and share this information with their doctors to get further prescriptions. Another application is designed especially for diabetics who should check their level of sugar on a regular basis and take special care of their feet – they can all necessary information on why, when and how to do it in the application. ABTO is in the process of creating a number of new applications with necessary information in specialized Healthcare areas adding them to the customers' Appstore.

The system gives a restricted access to the patients depending on their needs so that they are not confused. The elderly patients or those with limited capacities ones can also adjust the text size or even listen to it.

ABTO Software's custom medical software for Android ensures high quality care and cost savings both for healthcare providers and their patients.

Technologies used: Android, C++, Java, REST, STAX

More Nails Manicure Game

Industry: Gaming

"More Nails" is a project within which ABTO Software developed several applications on Android and iOS platforms, e.g.
"More Nails" (https://itunes.apple.com/us/app/more-nails/id540789996?mt=8),
"Glow Nails Lite" (https://itunes.apple.com/us/app/glow-nails-lite/id521161200?mt=8) and
"Nail Maker" (https://itunes.apple.com/us/app/nail-maker-virtual-manicure/id569609841?mt=8), etc.
The applications allow to clip, buff, polish and decorate your nails in the amazing glow-in-the-dark dress up game.

Using More Nails™ (https://play.google.com/store/apps/details?id=com.abto.morenails&hl=uk) manicure application is like visiting a real nail salon. You can choose a skin tone, trim your nails with realistic nail clippers, and buff to a squeaky high shine. Then it's time to choose from loads of polish color collections to custom paint gorgeous nails. There's a possibility to choose from tons of sparkling rhinestones, crystals, diamonds, gemstones, stickers, decals, hearts, flowers, fruit and more to decorate your nails. When you are happy with your creations, the application allows you to save your nails to your album, or share with your friends. Or you clean up with nail polish remover and start all over again.

More Nails™ applications are available for iPhone, iPod touch, iPad and Android now.

Technologies used: Android, iPhone

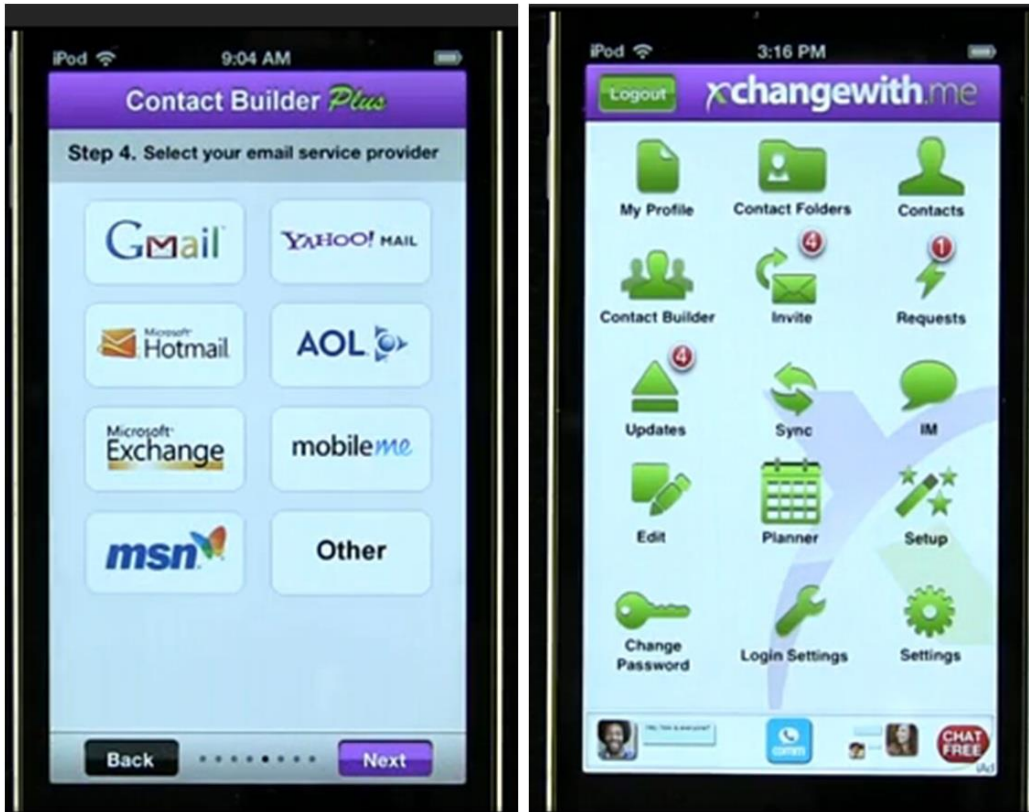**NightTickets Apps**

Industry: Banking & Finance

ABTO Software's team created an excellent NightTickets application (https://itunes.apple.com/ch/app/zkb-nachtschwarmer-app/id580492603?mt=8) for its customer – a Swiss universal bank. By means of NightTickets Apps the bank is able to give some additional service to its customers: easy and fast purchasing additional night train tickets.

The application is compatible with iPhone, iPod, iPad and Android.

Technologies used: Android, iPhone, Objective C

XchangeWithMe – iPhone App

Industry: Professional Services

ABTO Software developed an excellent XChangeWithMe mobile application (https://itunes.apple.com/hk/app/xchangewithme/id489389679?mt=8) to build and manage your friends, family and/or professional networks current contact info and keep it up-to-date without any additional maintenance.

Xchangewithme allows you to really simplify your life and save your time as it has the next generation hassle-free address book. The user interface is clean with a quick and easy set up wizard.

With the Contact Builder created by ABTO Software in this application you no longer have to manage your contacts. All you have to do is set up the Contacts Builder with your email credentials, or log into your Facebook account, and let Xchangewithme automatically obtain your friends, family, and/or professional networks to current contact info, and thereafter, keep your contacts info up to date. You can also easily exchange different levels of contact information.

In real time you can change the level of information shared with each contact or stop sharing information at all. It uses the latest encryption technology 256 bit, so your information is secure.
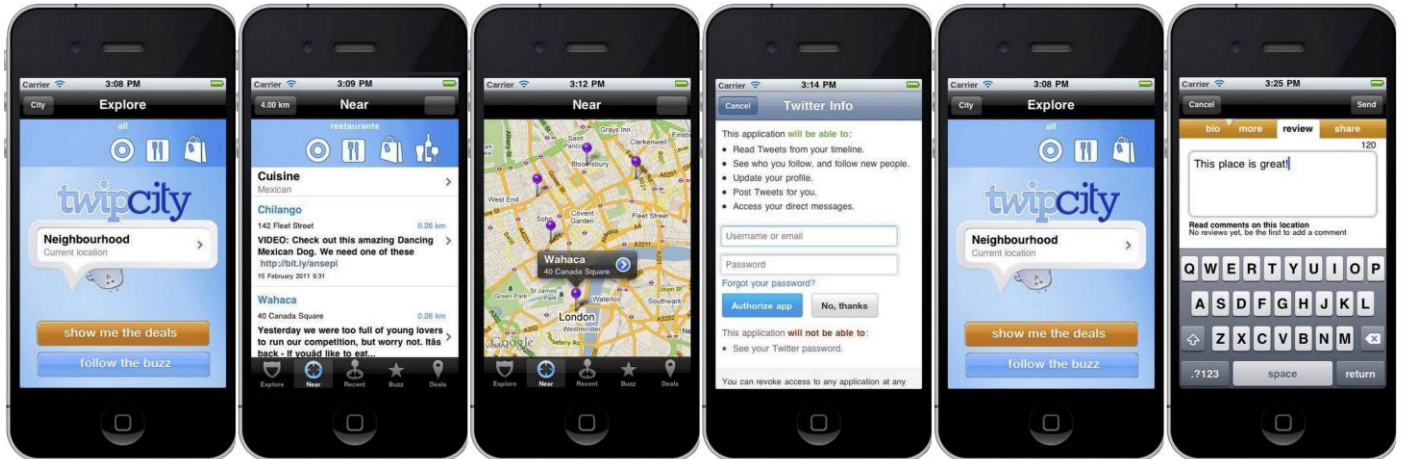
From the contact screen you can send instant messages to your contacts, both online or offline. No need to use your data plan when WiFi is available. Great for international travel. Manually invite contacts. Tap on an address to instantly get directions or view the address location via Google Maps.

Another nice feature is the Xchangewithme calendar called, The Social Planner. The social planner is a way for you to invite contacts and even non-contacts, or non-users of Xchangewithme to join events.

On the Main Calendar Screen, you can change the time Zone, and all your event times will change accordingly.

Technologies used: iPhone

Twip City App for iPad/iPhone

Industry: Distribution & Retail

The purpose of this application is to provide people with mobile phones the ability to easily find restaurants, shops, cafes etc. The application can detect your location to display institutions nearby. The applications can display information as list or as markers on the map. User can explore the location details: related tweets, related youtube videos, pictures and reviews done by other users. User can write a review of the location. User can register the application by setting up a username and password.

Main functionality:

- Search for nearby institutions;
- Search for institutions in specified city and neighborhood;
- Displaying distance between search results and user location;
- Make phone call to specified institution;
- Write a review for specified institution and show reviews done by other users;
- Show videos and pictures related to specified institution;
- Login with Facebook or Twitter account.

Technologies:

- WEB (PHP)
- HTTP (web interface and mobile application exchange protocol)
- Cocoa Touch (mobile GUI)
- Facebook IOS SDK (Facebook authentication)
- MGTwitterEngine (Twitter authentication)

Technologies used: Facebook API, iPad, iPhone, Objective C, Twitter API

More applications developed by ABTO Software

My baby Sim - baby simulator for iPhone https://itunes.apple.com/us/app/my-baby-sim/id642371875?mt=8

Business Model Evaluator - business test that will show you whether your business model stacks up the competition. and after answering 28 questions generates a report a https://itunes.apple.com/us/app/business-model-evaluator/id355696910?mt=8

Abtovoipclient – ABTO Software's VoIP SIP softphone. Can be used to call sip numbers and landline numbers if sip provider has this option. https://itunes.apple.com/us/app/abtovoipclient/id527208668?mt=8

Stop Action - application that gives you a chance to collect best moments of your life and make an exciting slide show on them. https://itunes.apple.com/us/app/stop-action/id329178116?mt=8

AbtoVNC Viewer - for iOS, allows users to access a remote computer (via the Internet or LAN) on a iPhone, iPad and iPod device from any location to view the desktop, change settings and work with documents and files. https://itunes.apple.com/us/app/abtovnc-viewer/id560458255?mt=8

Sea Battle Deluxe - is a variation of classic block sliding game where you have to guide your ship through the whole line of enemy ships, mines and torpedoes, coming across it sliding them horizontally and vertically. https://itunes.apple.com/us/app/sea-battle-deluxe/id359365482?mt=8

Cylindris - innovative block-dropping game in full 3D https://itunes.apple.com/us/app/cylindris/id551000286?mt=8

VoIP SIP SDK + Video - a toolkit that allows you to develop your own custom sip softphone for Android-based devices. https://play.google.com/store/apps/details?id=org.abtollc.videosoftphone&hl=en

AbtoCamera - a powerful application for android devices that has a variety photo effects and features https://play.google.com/store/apps/details?id=com.abto.camera&hl=en

Openreach DSLAM - App for engineers to locate and manage the installation of DSLAMs https://itunes.apple.com/us/app/openreach-dslam/id778653861?mt=8

Powder for Amazon – allows Amazon Merchants to access Seller Central from their cellphone! https://play.google.com/store/apps/details?id=com.powdergrp.powderforamazon

Mobile Coupon Terminal - is a multi-client capable configuration center for mobile campaigns, offered as an online ASP Service https://itunes.apple.com/ru/app/mobile-coupon

Boost Mobile - is a multi-client capable configuration center for mobile campaigns https://itunes.apple.com/us/app/boost-mobile/id714840314?mt=8

Fanworld by Ochsner Hockey - a mobile application for fans of different clubs. It allows you to get news of your club, the newest things from the fan shop, special discounts and nice competitions directly on your mobile. https://itunes.apple.com/ru/app/fanworld-by-ochsner-hockey/id870539692?mt=8