DooApp

mobile application development: the rewards program for kids

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PROJECT DESCRIPTION

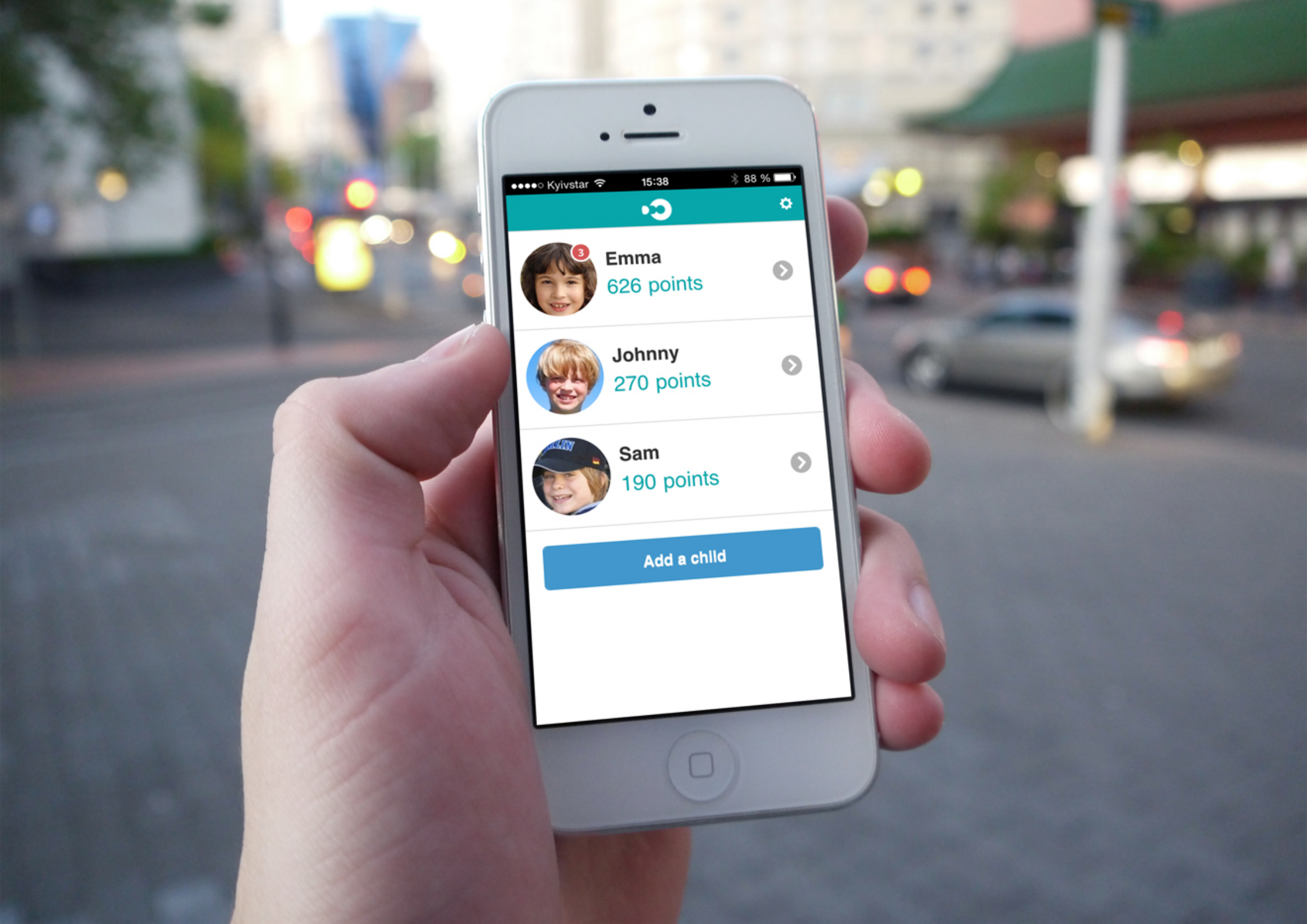
DooApp is a mobile application for parents to reward children for personal achievements, good behavior and completed chores.

Children earn points they can redeem for fun activities or prizes from a list the parents create. DooApp helps parents motivate their children and provide them with incentives to be more active, organized and responsible.

Developed by Screen Interactive (Kharkov, Ukraine)
Main technologies: HTML5, CSS, JavaScript: jQuery, jQuery Mobile; API: PHP, MySQL, JSON; Apache Cordova
Website: www.doo.zone

Download on the App Store

ANDROID APP ON Google play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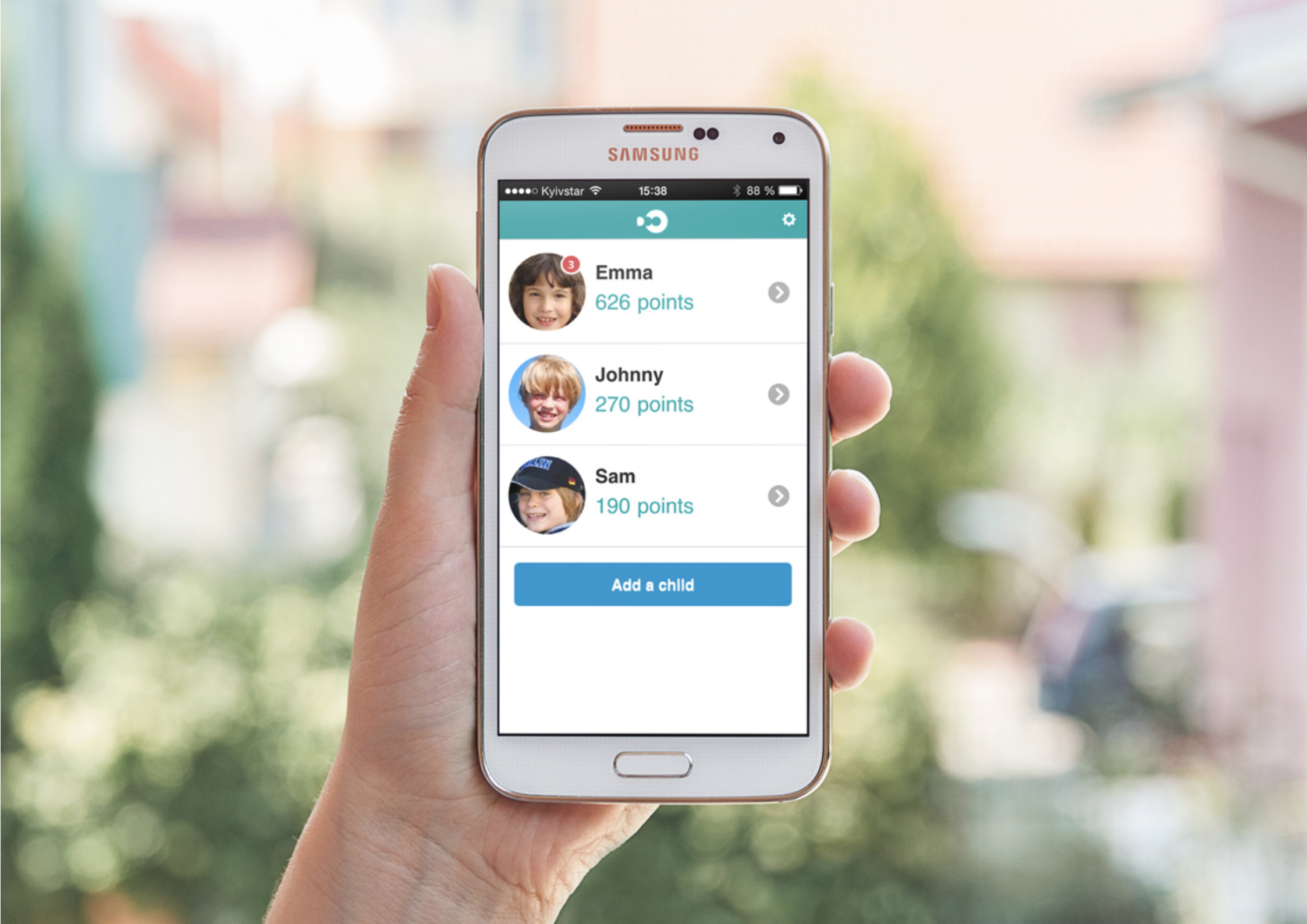
88 %
3
Emma
626 points
Johnny
270 points
Sam
190 points
Add a child


SAMSUNG
Kyivstar
15:38
88 %
3
Emma
626 points
Johnny
270 points
Sam
190 points
Add a child

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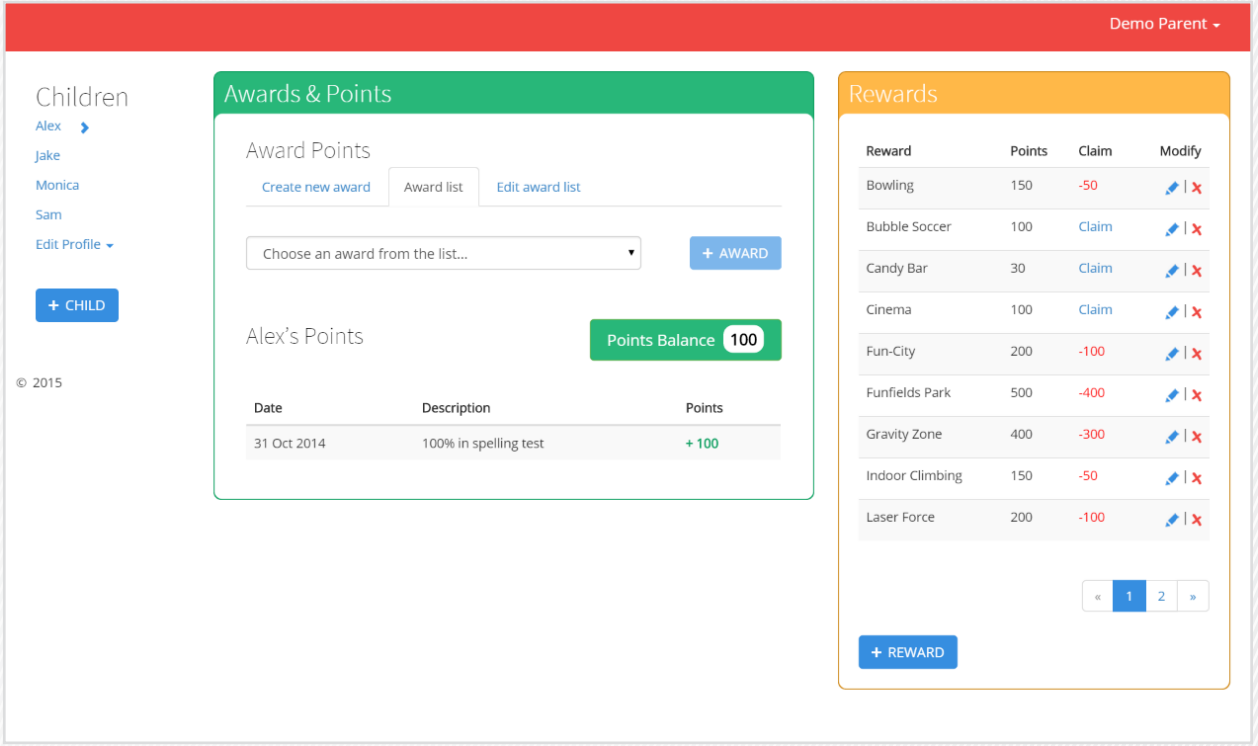
THE TASK

The client asked us to develop a mobile application based on an existing Web interface.

So our task was:

- to create the back end for the required functionality;
- to design and develop a mobile application interface based on the Web interface;
- to build mobile applications for iOS and Android devices.



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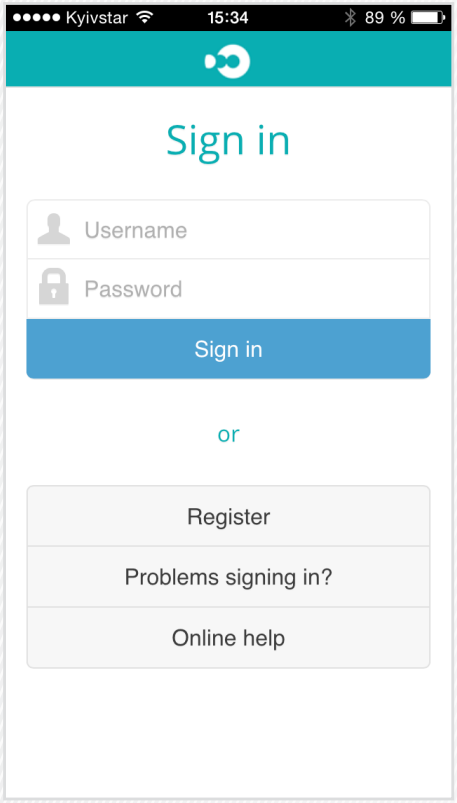
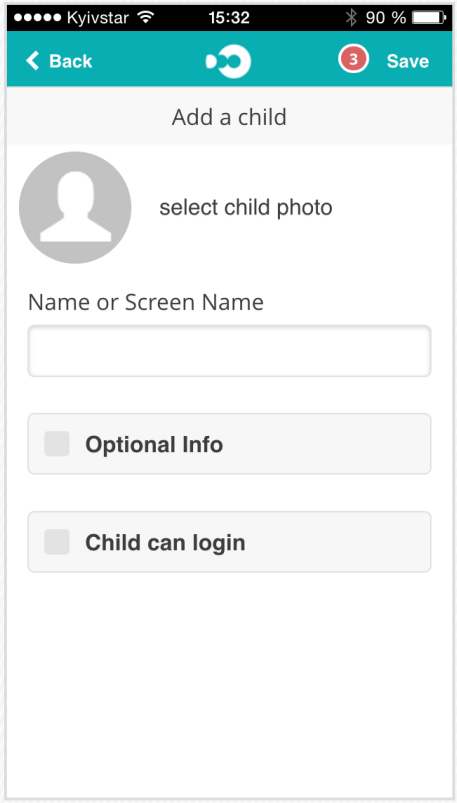
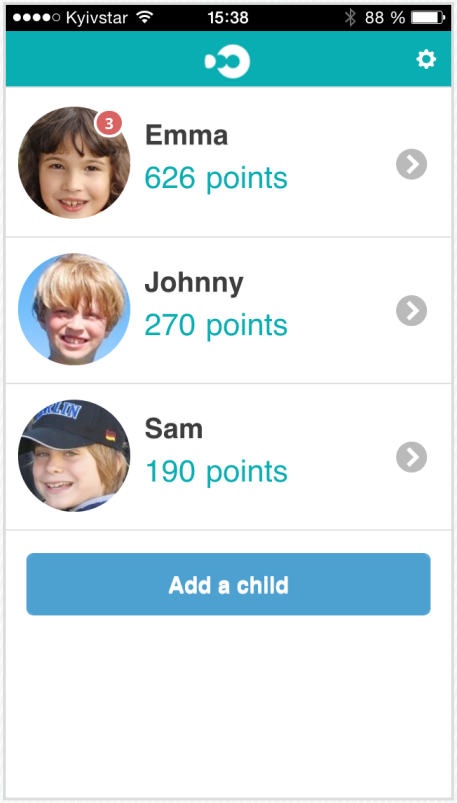
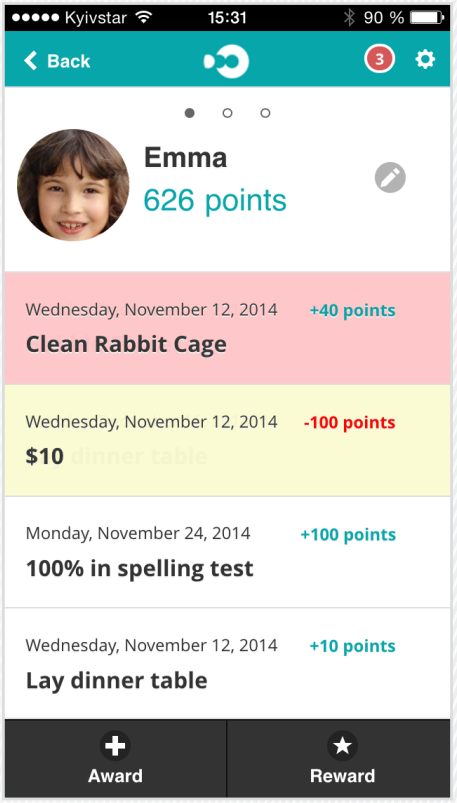
INTERFACE









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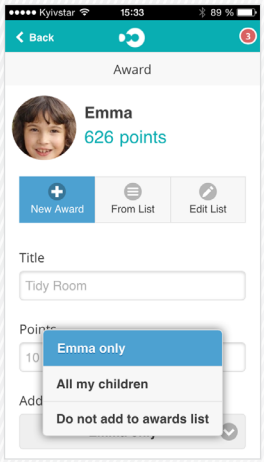
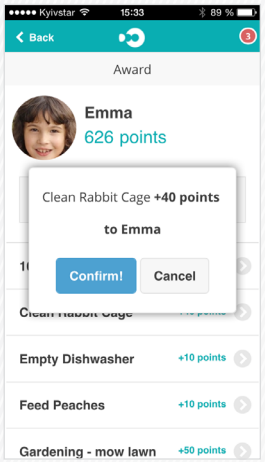
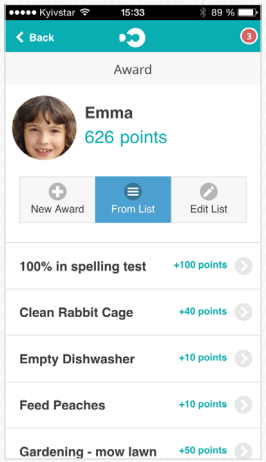
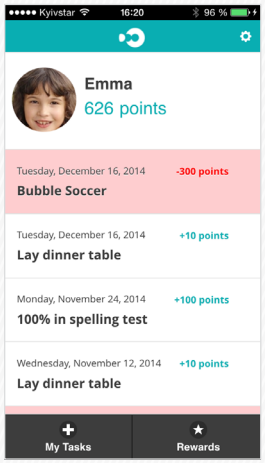
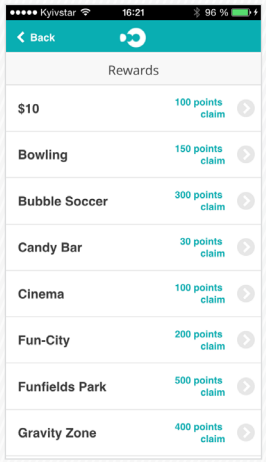
INTERFACE

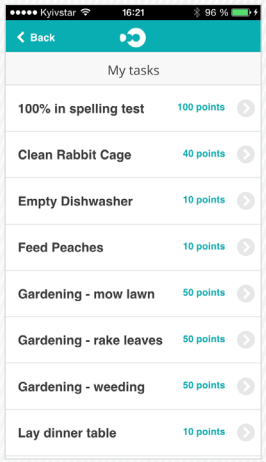


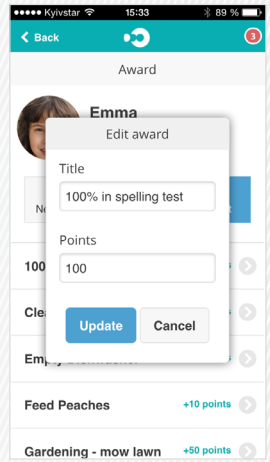


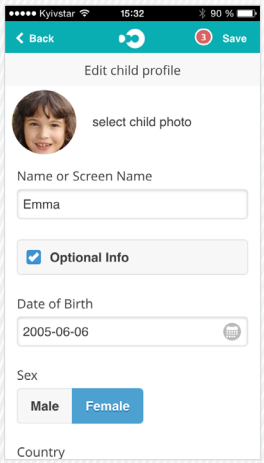


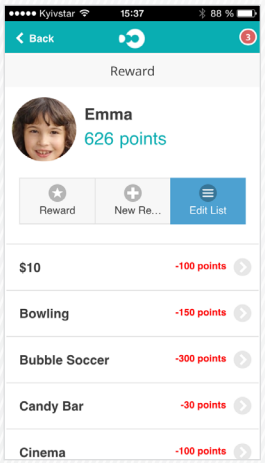


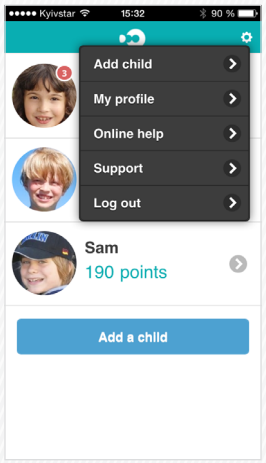


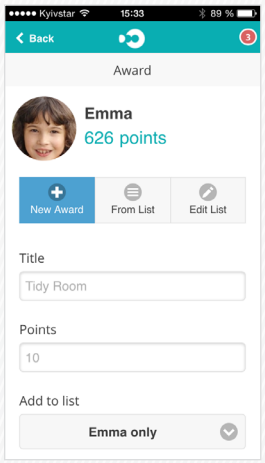


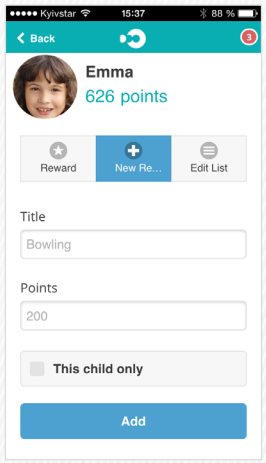


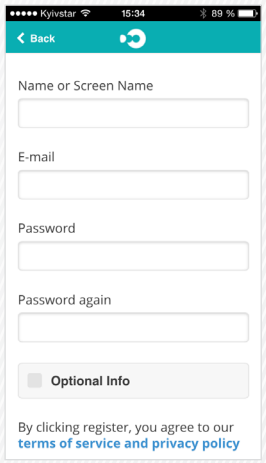


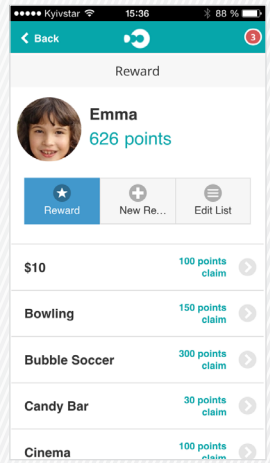












User roles

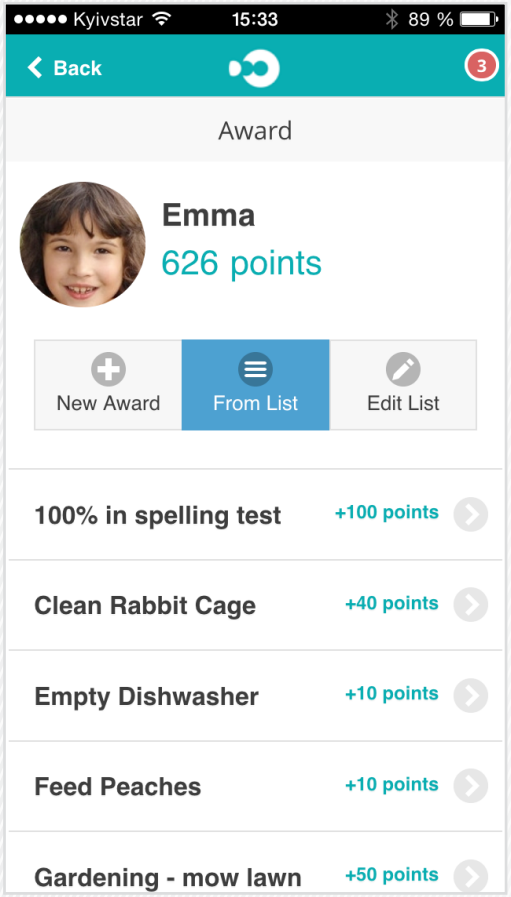
The application has two user roles: a parent and a child.
And the functionality of the application differs for parents and children.

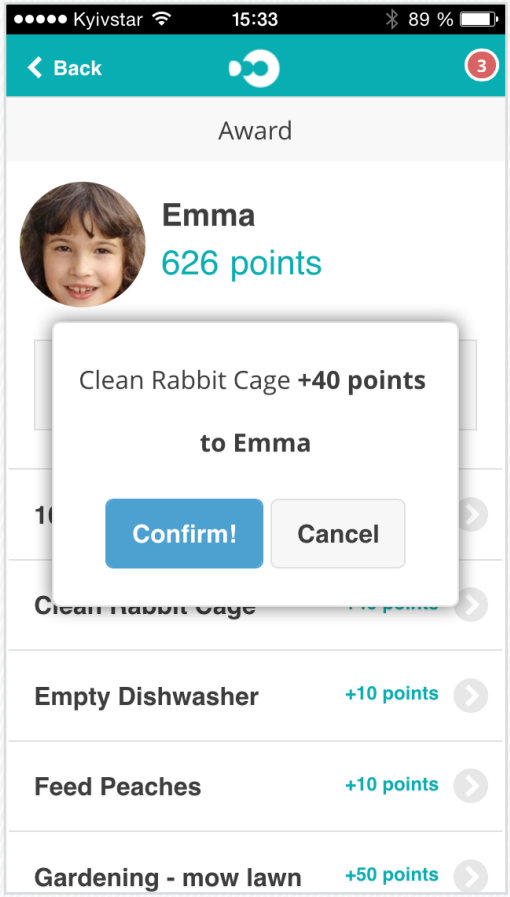
A parent can create kids' accounts, lists of awards and rewards. A parent also indicates whether a child may use the app on his own or not and creates a login and a password for him.

After the authorization a child can request points for the completion of tasks. Children also can use accumulated points to claim a reward from a list the parents create.

The parent can also award points and give rewards without the child's participation.

FUNCTIONALITY





Awards

Parents create the list of chores and can award children points for completing different tasks from the list. The parent can create individual lists of tasks for each child. And he can also use some list items for several kids at the same time.

Children tick off the tasks in the list and ask for points after completing them.

The parent can approve or decline the child's request. After an approval, the application adds points for the completed tasks to the kids' points balance.

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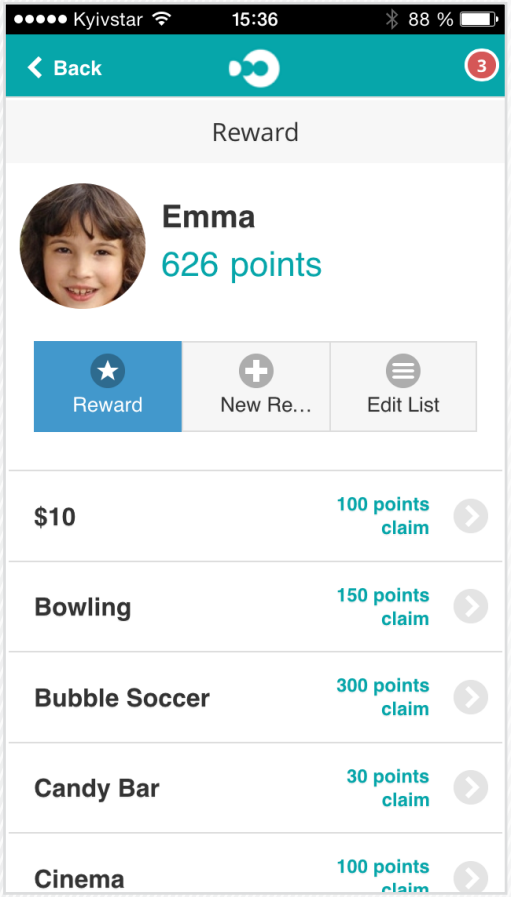
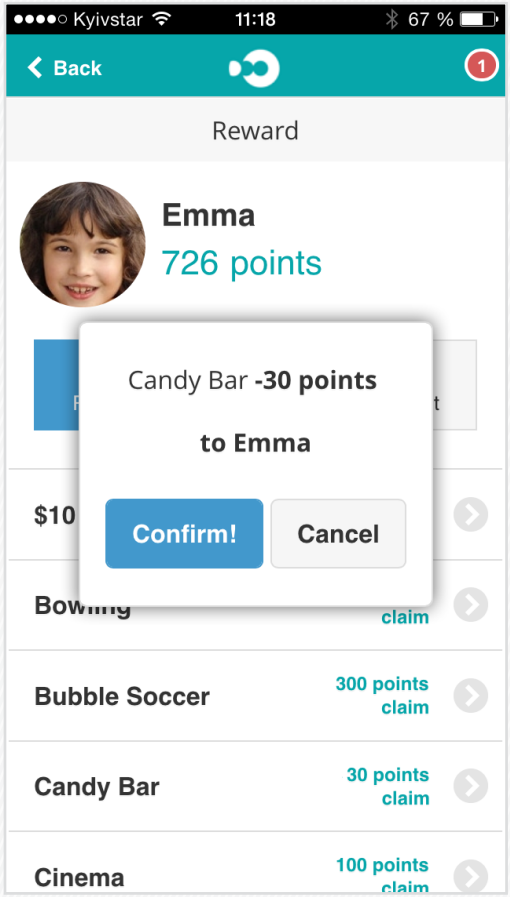
FUNCTIONALITY





Rewards

The children can spend the accumulated points on different rewards from a list the parents create.

> *For example, a trip to the zoo, candy bars, pocket money, etc.*

The child chooses a reward from the list and sends a request to his parent. If a parent approves the request, the app deducts the reward "cost" from the kid's points balance.

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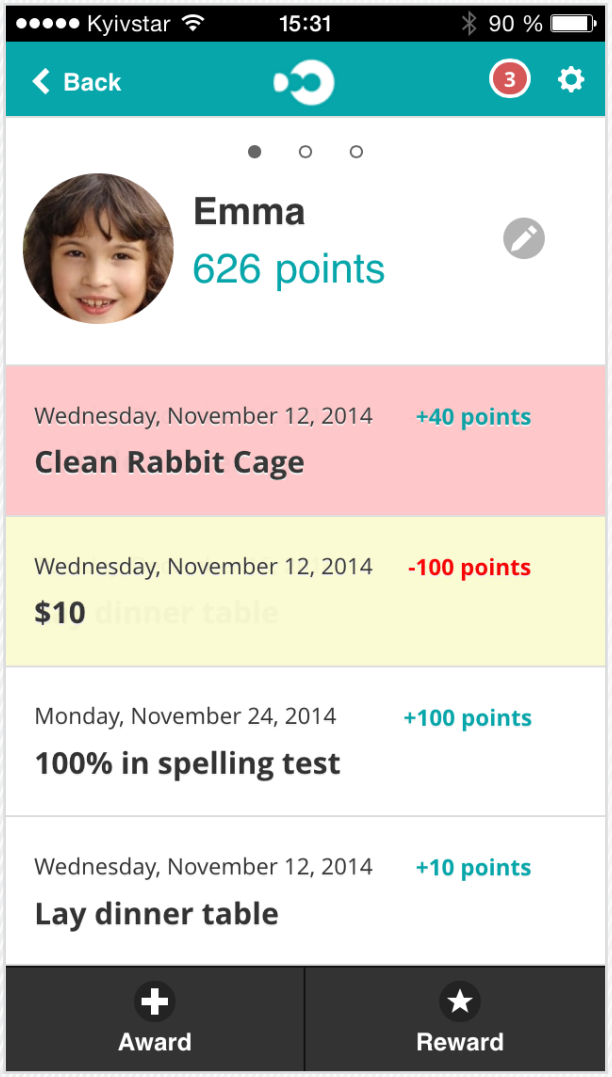
FUNCTIONALITY



Notifications, balance, history

Push notifications.
Parents receive push notifications each time a child completes a task or claims a reward. The application also sends notifications to the children to inform them about their parents' decisions.

Users also see notifications in the application: a badge with digits on a red background appears in the window title, and they also see new queries highlighted with different colors in the list (history).

Points balance.
Parents and children can view the current number of accumulated points available for a kid.

History.
List of all completed tasks and requested rewards for each child.

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ADDITIONAL FEATURES

Registration and authorization for users.

Automatic location detection. When the user registers, the application automatically identifies his location by IP address (country, city).

The app has **access to the camera** on the mobile device. So, while creating a new kid's account, a parent can take the child's picture and add it as the child's avatar in the app.

The license key for the Android version of the app is installed.

Google Analytics tools for mobile devices are set up in the app.

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TECHNOLOGIES

- **The front-end:** HTML5, CSS, Ajax, JavaScript: jQuery and jQuery Mobile
- **The server-side:** PHP and MySQL
- Our team developed an API to enable the interaction between the server-side and the mobile app

"Thanks for all your hard work, guys, with the development of my mobile app, DooApp. You went way beyond the levels of expectation in the amount of effort and expertise you put into the project. I am more than happy with the end result; the communication throughout the project was great and quality of work top-notch! I won't hesitate in recommending you to future clients. Cheers!"

Jacob Kemsley
(Melbourne, Australia)

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ABOUT SCREEN INTERACTIVE

Screen Interactive is a Web development company based in Eastern Europe.

Our specialization is custom Web and mobile development.
We work with:

- startups
- corporate websites
- e-commerce projects
- portals

Usually, our clients aim for long-term goals, require considerable functionality and high quality and presuppose long-term cooperation with the developers.

If you need a software development team for your projects, let's get acquainted!

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