SUMATOSOFT

PROJECT TYPE

Web application, SaaS

TECHNOLOGIES

Ruby on Rails, Nginx,
Puma, PostgreSQL,
Redis, AWS bundle,
Twitter Bootrstrap,
JQuery

DURATION

6 months
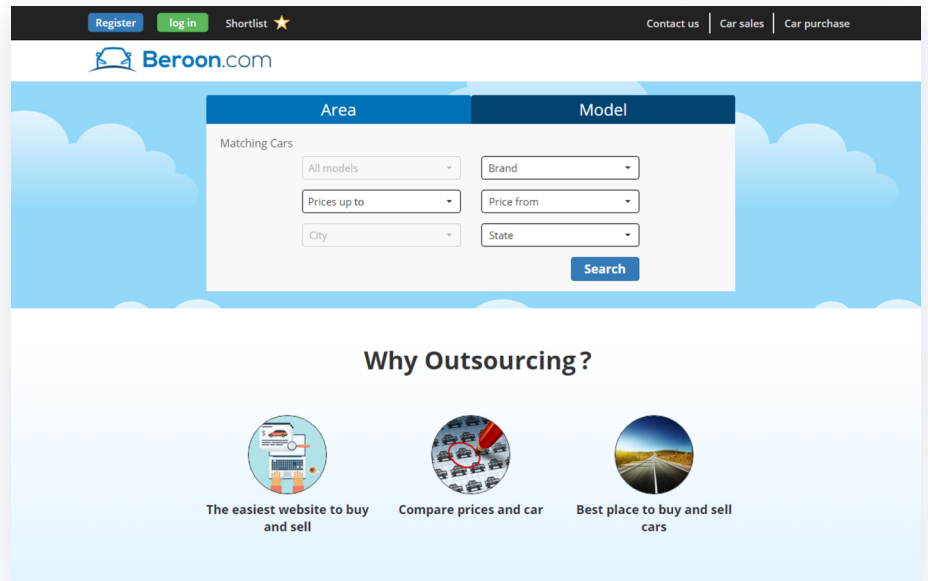
METHODOLOGY

Scrum

TEAM

1 Project Manager
2 Software Developers
1 Quality Assurance Engineer
1 Web Designer

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Client: Beroon
Industries: Automotive
Region: Australia, Sydney

Beroon – Development of Online Auto Catalogue

Beroon is a web service for used-car selling and buying.

Business challenge

The main aim was to develop a web service, which would provide users with up-to-date information about cars available for sale. The application should have simple, attractive and adaptive design.

The main project challenges are:

- ✓ To ensure a very high speed of loading pages in a weak connection.

- ✓ To follow right-to-left writing logic as the website is in the Iranian language.
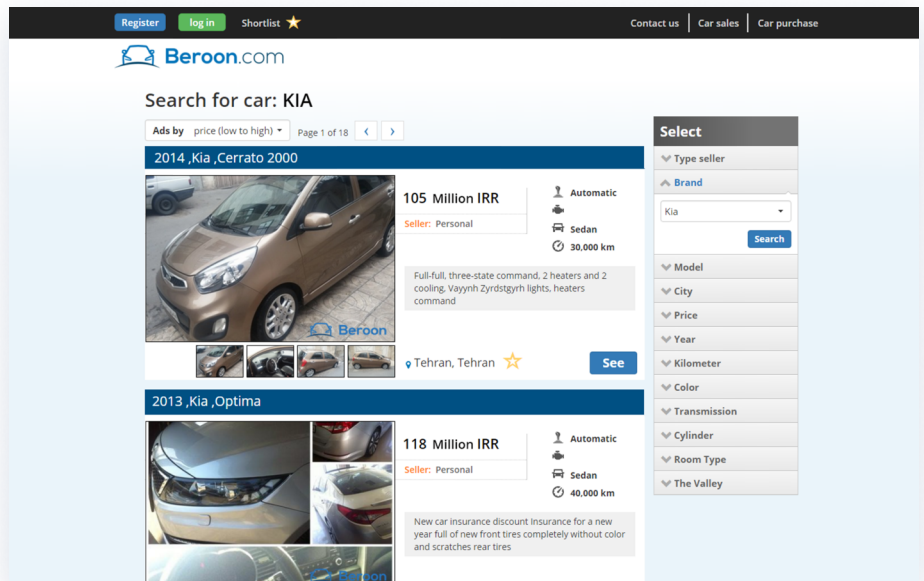
Our solution

We built a web system, which divides all service functionality among the following types of users: guests, registered users, and admin.

Guests

Non-registered users can search for advertisements; look through the information and contact sellers. They can search for a car using advanced search filters, including geo targeting, price, type, etc.

Registered users

Registration can be done using email or via social networks – Facebook and Google+. Registered users get full access to the service functionality. Registered users can create/publish/delete car ads, search for the car, bookmark ads, etc.

Admin panel

For moderation and content management, we developed an administrator module. Admin moderates all the ads created and manage users.

Technological solution

We developed the service with Ruby on Rails following the best practices for building lightweight pages. The application runs on the nearest to Iran Amazon data center in the auto scale mode which traces the current load on the resource.

All graphics and files of the client interface are located in the Amazon S3 cloud storage, thus reducing load on the server with the application itself. The compression before sending content to the client is on.

The Twitter Bootstrap framework is used for the implementation of adaptive and responsive layout, as well as of some libraries for easy viewing and paging pictures for mobile phones.

Design is very simple and adapted to the low speed connection in the region.

What's now?

The application is released and successfully used. The Client is planning further development of the service.