The goal of this bachelor thesis was to create a software for small companies dealing with earthworks and excavation works, repairing and selling excavators, which do not have access to a suitable software solution for their activity. The solution to the work was based on consultations with the owner of one of these companies.

The resulting web application, written using the Blazor Server framework, represents a solution to the problem. It is able to display the offer (excavators, additional equipment) and allows users to send inquiries (in the form of emails) to these offers. There is also an auction in the application, where repaired excavators can be auctioned. Users can also create an account in the application. The listed functionalities can be used by both logged-in and non-logged-in users. Regular registered users do not have to fill in information about themselves in the forms when inquiring about the offer. Logged-in administrators can manage the page, i.e. add new, edit and delete existing offers, reply to messages, etc.