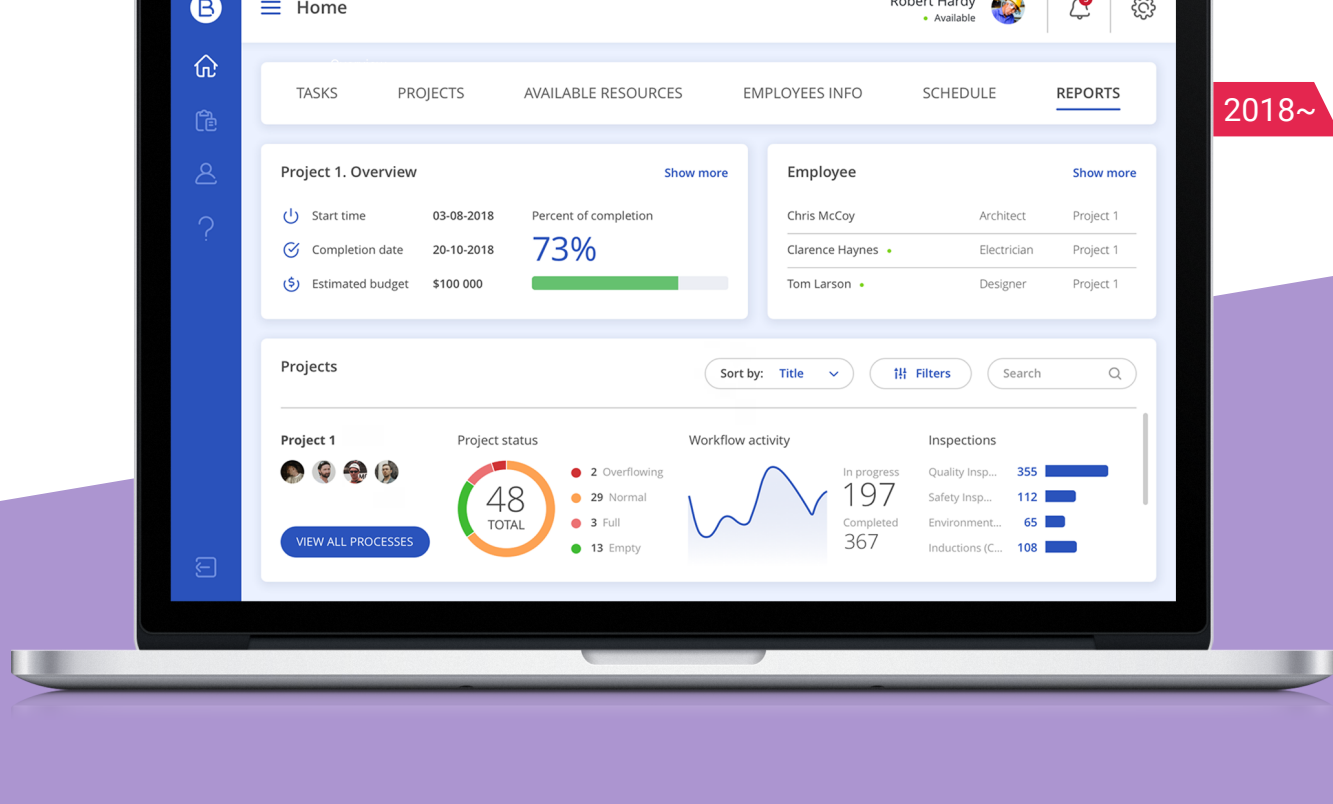


## Full-featured Project Management Solution for Construction Industry

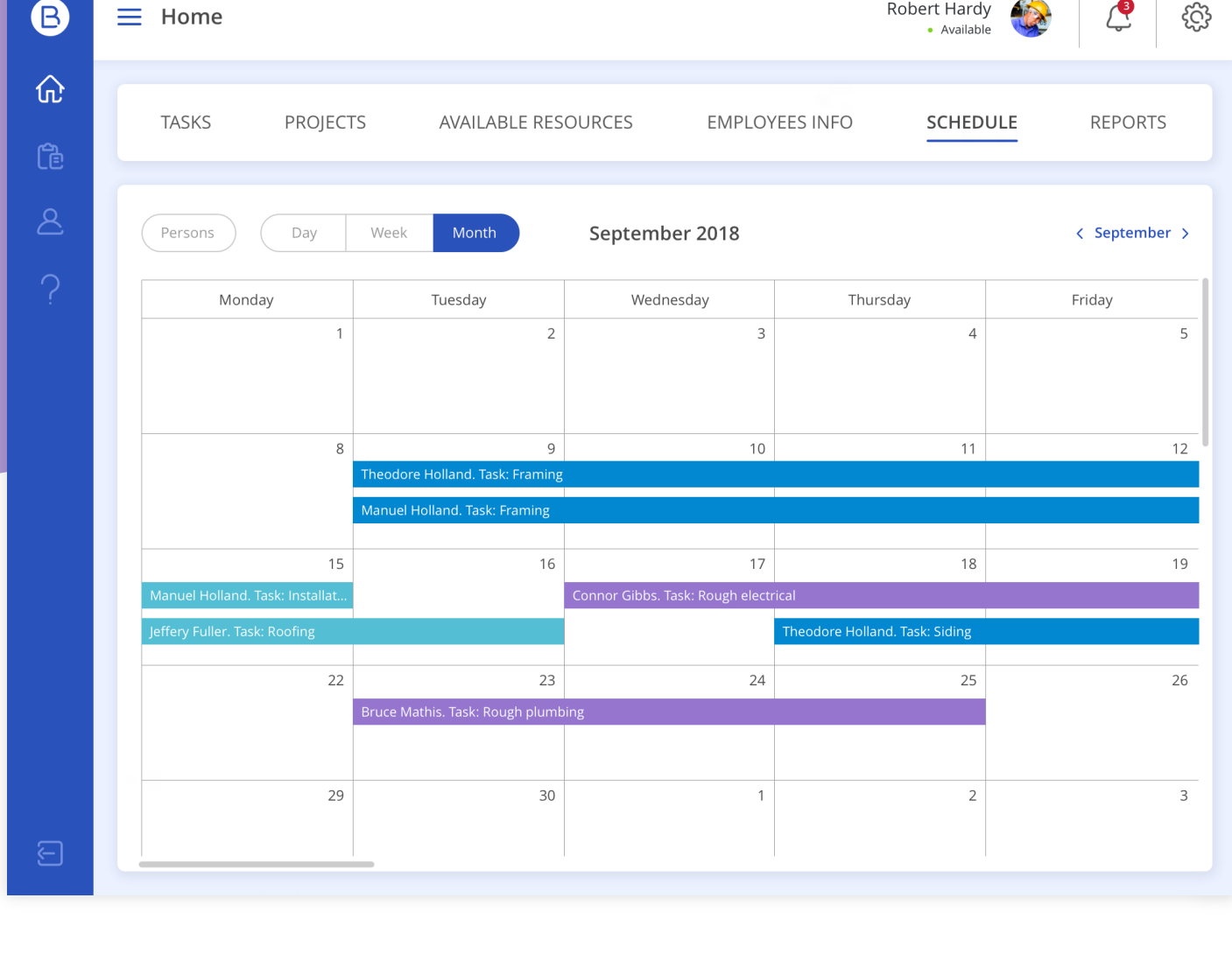
A web-based project management software for a company that works in the construction industry. This management app provides a set of tools allowing to monitor the state of the current projects and assign employees to particular tasks.



### Business Challenge

Building and construction industry involves a vast number of employees with different specializations distributed across different projects at various stages. Moreover, the tasks assigned to different specialists may have complex dependencies.

Our development team was asked to create the front-end part of online management software that will enable to monitor the state of projects for a company that works in the construction industry. The app should allow users to check the percentage of completion of all current activities. The staff management functionality should enable managers to assign staff members to particular tasks and monitor their progress. To make the monitoring and management easier, users should get the possibility to split the construction process into the series of subtasks using this software.



### Solution

XB Software's development team has created the front-end part of an online management system for construction industry based on React. The software consists of several main modules that allow reviewing the following info:

- available resources
- employees info
- projects
- tasks
- connections between the existing tasks

The list of projects allows reviewing and creating new projects. The table contains the start and end dates of all assignments. It also allows setting the approximate number of working hours needed to complete the project. The list of resources allows reviewing and editing the data related to the company employees. The list displays such info as employee's name, specialty, the number of active projects, hourly rate, and other. Construction company management can use this software to review all specialists that are assigned to a particular project which allows allocating human resources efficiently.

The management software allows defining the relationships between the available assignments and their interdependence. The list of available human resources simplifies the assignment of staff members to particular projects which is pretty useful for the given industry. For example, a handyman can't start doing the work before the architect has finished with planning. The complexity of project management can increase many times if you have to handle multiple projects located in different cities and states. The software provides info on all current project and available employees in an easy-to-read way. Besides monitoring the progress of work, managers also have access to info that allows making estimations to be able to plan ahead.

The resource calendar allows reviewing tasks assigned to a particular staff member. Our developers used dhtmlxScheduler to create the Month View for the calendar. The project view contains a Gantt chart based on dhtmlxGantt. It provides a visual representation of a particular project. Users can select one of the available projects to see the assignments it consists from, check or change the percentage of their completion, and create or edit the new ones. Besides the Gantt chart, this software provides the resource view that helps to estimate the workload of each participant of the project.

### Applied Technologies

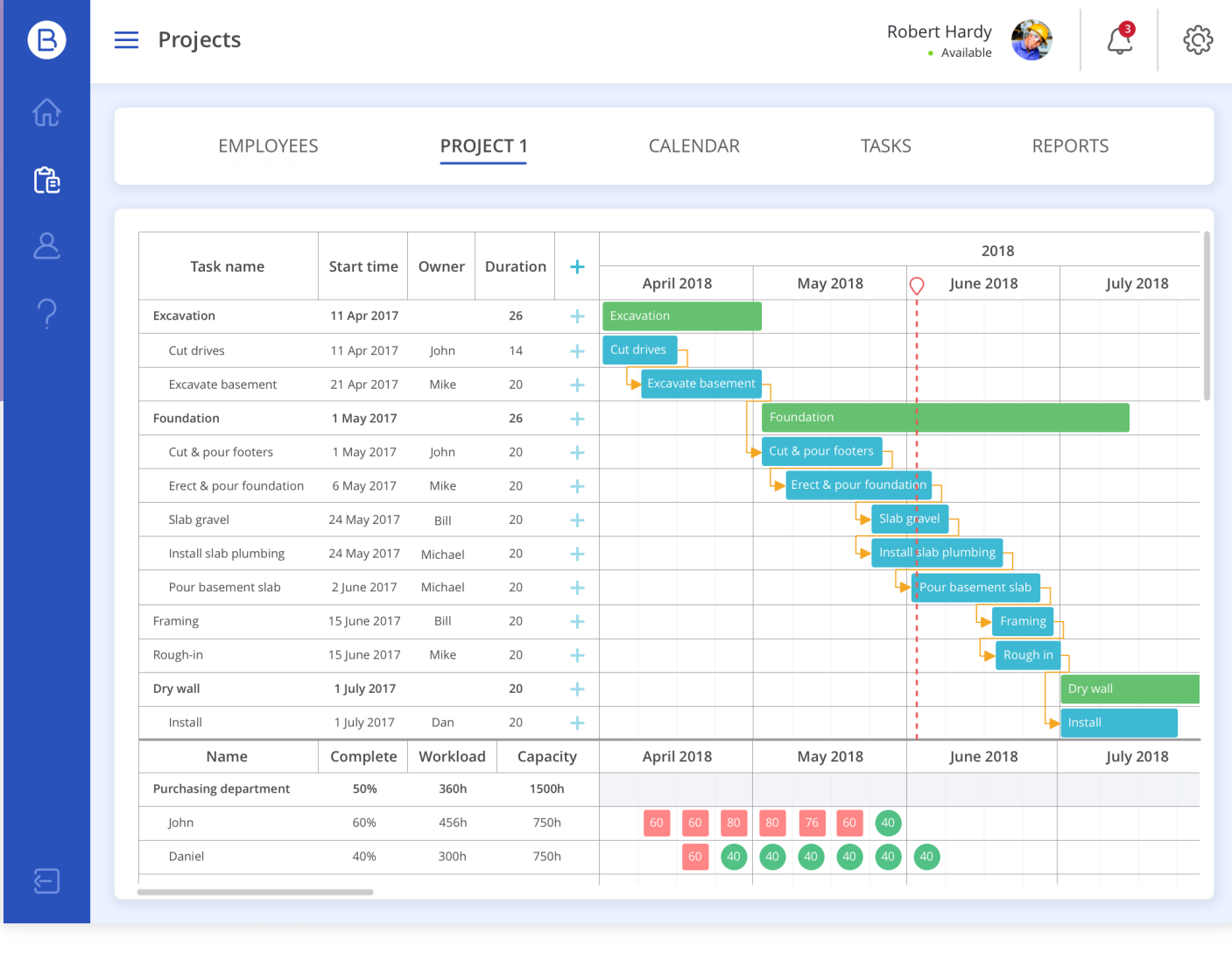


#### Duration

6+ months

#### Estimated Working Hours

800+ hours



### Our Role in the Client's Success

Our development team has created the user-friendly and easy-to-use software solution based on React. It allows company managers to improve the overall performance by simplifying the process of reviewing and editing the projects. Users of this system can effortlessly monitor the current state of projects and estimate the number of working hours needed. The software allows our client to:

- improve the efficiency of management
- simplify the estimation process
- increase staff management efficiency

### Customer

A company from the construction industry with a large staff and branches in many European countries.

Thanks for watching!

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