

# UMBRELA

## Reengineering of the Umbrella System Martin Maroš

### ABOUT

This work describes software reengineering of Umbrella that is a web application for collecting quantitative data for marketing research.

Software Engineering

Product Usability

Project Management

### PROBLEM

Legacy software  
Outdated technologies  
Usability problems  
Lost data  
Data synchronization



### CONTRIBUTION

Modern technologies  
Continuous integrations and delivery  
Component architecture  
New user interface design

### RESULTS

Functional application with positive feedback  
Consulted new roadmap for future development

**17 790**  
respondents  
over 8 months

Richard Všíanský

Umbrella is very helpful application that efficiently collected data and information for my project. It is perfectly targeted to student needs and I highly recommend it to others!

**328** new registered users  
over 8 months

**38%** growth of respondents  
over 8 months

1

It all starts with creation of a sheet where the user submits questions that can be edited any time.

2

Just to name few form functionalities: fully configurable, built Internationalization, and team collaboration.

3

The data can be presented in application or they can be exported for further research.

