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| 1. **Name of the challenge***:*   Spolubydla (Roommates) |
| 1. **Context*:***   *Spolubydla is a tool to help you organize your work, shopping, and other activities in the joint housing of two or more people.*  *Target group: mainly university students and young couples.* |
| 1. **Problem:**   *A lot of today's students or youngsters rent an apartment and share costs and organize activities such as housekeeping or the purchase of toilet paper. They simply make an paper overview of the organization or simply remember what to do. Frequently there are irregularities and unnecessary negative emotions. The aim is to design a digital tool that will help the roommates to organizing tasks, shopping, and other activities in shared living.*   1. **Additional info (for internal use):**   *Expected delivery: project schedule, business model, business case, use cases, wireframes, technical description, test cases*  *Instruments: word, excel, MS project, analytical tools (EA), graphical tools* |
| 1. **Skills of the team (for internal use):**   Analytical skills, basic programming skills, knowledge of project management |
| 1. **About the Seeker:**  |  | | --- | | 5**. About the Seeker:**  Czech Technical University in Prague, Faculty of Information Technology, Department of Software engineering  Czech Technical University in Prague is one of the biggest and oldest technical universities in Europe.  CTU currently has eight faculties (Civil Engineering, Mechanical Engineering, Electrical Engineering, Nuclear Science and Physical Engineering, Architecture, Transportation Sciences, Biomedical Engineering, Information Technology) and about 21,000 students.  CTU´s Department of Software Engineering focuses on the theory and methodology of object-oriented programming, virtual machines, database systems, and formal methods and approaches to databases and software engineering. Current research areas include the construction of XML-native database engines and transaction processing, functional approach to XML data processing based on lambda calculus and type systems, and theoretical (in particular, category-based) approaches to the design of formal frameworks for database modelling. Other research interests include interpreters, debuggers and transformation systems as tools for software development. | |