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| 1. **Name of the challenge***:*   *RON (Remote Online Nanny)* |
| 1. **Context*:***   *RON is an application solution for facilitating childcare, elderly people or people with health problems. RON will monitor the person's health status using a camera and other sensors and transmit the outputs to the browser. A mobile application for Android and IOS will be available.*  *In comparison with the existing solutions, RON is a hardware platform that mediates data transmission over the Internet.*  *Target group:*   * *anyone who cares about their child, elderly people or people with health problems;* * *companies like kindergartens, homes with nursing service etc.* |
| 1. **Problem:**   *If you need to take care of a child, elderly person or person with health problems, you need to be physically present and watch them. This problem will be solved by RON.*   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 |
| 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. |