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| 1. **Name of the challenge***:*   *Programmer’s Brain* |
| 1. **Context*:***   *Programmer´s Brain will be an application that will allow programmers and other members of the development team to save their thoughts in a form of notes. They will not only be able to write and save notes but also to connect to all other applications that the programmers use, such Slack, Git, Jira. This application will serve as a personal signpost for everyday work. The main advantage is that a programmer will have all information in one place. He will be able to see every task from Jira, Confluence, emails, notes and messages and also notifications from Slack, Viber, Git etc.*  *Target group: programmers, development team members, everyone who uses notes* |
| 1. **Problem:**   *Every programmer or any member of a development team deals with a problem of having too many notes. This application will solve this problem. A programmer will have everything in one place. This will also serve as a connection to other systems, such as Jira, Confluence, Slack, Git and others.*  *This type of an application does not exist at the moment. There are applications for collaborative work, but this type of an application is mainly for the use of individuals.*     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. |