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| **Expression of Interest** | | |
| **Project Title** | Collaborative Device and Data Management in the Domestic Internet of Things | |
| **Organisation or Supervisor** | UoN | |
| **Contact person** | Andy Crabtree | |
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| **Team Members** | | |
| **Name** | **Email Address** | |
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| **Description of Team Skills** | | |
| We believe this project will give us the chance to gain knowledge and improve our creativity. IoT is and will be very important in people’s life and securing this should be a priority.  A concept we find interesting is the IoT Databox, this is vital for securing data and transparency of data as it will allow users to see the data the IoT devices have collected and control who can access that data.  Our team members are experienced in working in teams as a result of activities we have taken part in during academia and outside of school.  Our team member Zaki has worked collaboratively to develop mobile applications during a summer internship in an international organisation under work conditions.  Mario has had experience working abroad as a team-leader in different companies. Due to the skills he has developed, the team has chosen him as the team leader. In his last internship he worked researching the risks of IoT and mapped these to their various mitigations using open source data.  Ian has had experience using agile techniques to plan and create a website for a company. He also owned a Raspberry Pi and created various simple programming projects using it.  We believe we are the right team because the skills and backgrounds we have perfectly fit the demands of this project. It also gives us an opportunity to develop our skills and gain new ones whilst working on the project.  This project provides a great opportunity for creativity. The brief is open-ended so we will be free to come up and try out new ideas as we wish. This project will therefore give us a great learning experience.  **Highly Desirable and Desirable Skills**  Experience using Raspberry Pi –  The group has all heard of Raspberry Pi and are willing to learn about the features we can create using it. This will give us transferrable skills ranging across UI design, creating algorithms and knowledge of computer hardware.  GIT and Testing -  Our team has used GIT in a team project and have resolved code conflicts with other team members submissions. All have also used Git to make branches for version control. The team all have experience in unit testing and integration testing, as well as making use of Git to integrate tested code.  Teamwork -  We have all worked in teams in an academic and work environment. Currently, we have an online schedule for team meetings and assigning tasks. We attended a team workshop for improving our group communication skills, finding creative solutions to different problems and adapting to changing requirements.  MySQL-  All group members have used MySQL to create and edit a database, which we then used to input data into an HTML website. | | |
| **Date of Submission of EoI** | | 16th of October 2019 |
| **Date of Pitch** | | 22nd of October 2019 |
| **Notification of award** | |  |