Thank you for agreeing to participate in our survey.

Before we start, we'd like for you to read the informed consent information below. Informed consent refers to the voluntary choice of an individual to participate in research based on an accurate and complete understanding of its purposes, procedures, risks, benefits, and alternatives. The survey will be completely anonymous and voluntary. We do not ask or identify any individuals who plan to participate in this survey. If you have any questions before completing this survey, please contact the investigator(s), Prajit Kumar Das at 410-455-2668, prajit1@umbc.edu.

Informed consent:

You must be of 18 years or older to participate in this survey.

The purpose of this study is to streamline the process of determining mobile access control policies. You are being asked to volunteer because you are a regular everyday mobile user and you will be asked to carry out the following tasks:

1. If you are looking at this consent form, you have already installed the MithrilAC app from the app's website @ https://mithril.online. Thank you! Please ***complete the app setup*** by adding your work/home location, your working hours/do-not-disturb hours and if available, choose from a list of Bluetooth IDs, who are your colleagues and supervisor. The information input by you in this app setup process, will never leave your phone and will remain private to you. Although this information will not leave your phone, it is required for the functionality of the app as explained next. Over the next few months, the app will detect app launch events that are "violations" of the installed access control policy. A policy in this study has the following structure: *<Do/don't> launch an <app/category of apps> at a <location/time of day/in presence of someone>* e.g. Don't launch Facebook at work or school. So the information you input in the setup will be required to detect that you are "at school" or it is "study hours".

2. At the end of each week, you will be asked to respond to two sets of survey questions. The first set of questions will require you to ***state*** which of the collected "violations" were expected app launch events at a particular time of day or location or in presence of colleagues and supervisors.

3. The second set of survey questions will require you to ***state changes*** required to the current default policy that will allow the expected app launch events, in the future. The changes to the policy will either add, delete or modify policy conditions. The changes shall reflect your perceived notion of policy conditions, under which the app launch behavior will be allowed in the future. You can modify policy conditions by generalizing or specializing those conditions from a list of options available in the app. A policy like the one mentioned above can be modified to something like, "Do launch Facebook at school during lunch hours".

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4. At the end of each feedback cycle, you will be asked to *submit* your feedback by explicitly clicking on the upload button. The uploaded information contains your response to the above mentioned set of questions. The information uploaded by the app will be of the form: "detected violation 1 – about Facebook, was not a violation" or "Policy 1 has now been modified to – Allow Facebook at work or school during lunch hours". Since such information about your modifications are generic i.e. "at work", "during lunch hours" and not your actual work address, that you input in the setup process, none of the information uploaded by the app will be personally identifiable information about you.

Your participation in this study will last for approximately seven months and each weekly feedback cycle may take about 10 minutes to complete.

There are no known risks involved in completing the survey. There are no tangible benefits for completing the survey, but you may help in the development of better access control solutions than ones available in the market today.

Participation is entirely voluntary; you may at any time withdraw from participation.

All data obtained will be anonymous. There is no way for us to find out who you are, and your data will not be shared with any other parties under any circumstance.

This study has been reviewed and approved by the UMBC Institutional Review Board (IRB). A representative of that Board, from the Office of Research Protections and Compliance, is available to discuss the review process or your rights as a research participant. Contact information of the Office is (410) 455-2737 or compliance@umbc.edu.

After reading the consent items, please proceed to the questionnaire on the next page by clicking "Okay". Click "I agree!" on the next page to get started with the survey. If you'd like to leave the survey at any time, just click "Exit this survey" from the menu.