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# **Finding Levers for Privacy and Security by Design in Mobile Development**

*A Data management plan created using the DMPTool*

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## **Roles and responsibilities**

This data management plan will be maintained by the project PI, Katie Shilton. All ethical and privacy issues will be addressed by Katie Shilton with help from graduate student assigned to the project. Should Ms. Shilton leave the project, the data management plan will not be maintained.

## **Expected data**

This project will produce numerous kinds of data: 1) Results of card sorting activities; 2) survey responses; 3) developer pre- and post-test results; 4) judges' scores of mobile applications; and 5) mobile developers' self-reports.

The project will also create software products. The main product will be a toolkit for promoting privacy and security decision-making during mobile application development.

Finally, the project will create extensive curricular materials. These will include syllabi and lesson plans for at least two courses, and a train-the-trainer curriculum for values in computing workshops.

## **Period of data retention**

The data will be opened up to wider use one year after publication of articles.

## **Data format and dissemination**

Anonymized card sorting results, and judges' evaluations of applications will be made available through a data sharing section on the project website. Card sorting results and judges' evaluations will be provided in both PDF (for viewing) and CSV (for reuse by other researchers) formats. The team will ensure that all shared data has appropriate metadata for investigation and reuse by other researchers, particularly the team studying socio-techno learning at Arizona State University.

Software products: Toolkit and hackathon products will be made available on GitHub, with links provided from the project website.

Curricular materials will be made available as PDF files on the project website.

## **Data storage and preservation of access**

## **Additional possible data management requirements**