Plan Overview

A Data Management Plan created using DMPTool

Title: Finding Levers for Privacy and Security by Design in Mobile Development

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Finding Levers for Privacy and Security by Design in Mobile Development

Roles and responsibilities

The Data Management Plan should outline the rights and obligations of all parties as to their roles and responsibilities in the management and retention of research data. It must also consider changes to roles and responsibilities that will occur should a principal investigator or co-PI leave the institution.

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

The Data Management Plan should describe the types of data, samples, physical collections, software, curriculum materials, and other materials to be produced in the course of the project. It should then describe the expected types of data to be retained.

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 securit 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

SBE is committed to timely and rapid data distribution. However, it recognizes that types of data can vary widely and that acceptable norms also vary by scientific discipline. It is strongly committed, however, to the underlying principle of timely access, and applicants should address how this will be met in their DMP statement.

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

Data format and dissemination

The Data Management Plan should describe data formats, media, and dissemination approaches that will be used to make data and metadata available to others. Policies for public access and sharing should be described, including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements. Research centers and major partnerships with industry or other user communities must also address how data are to be shared and managed with partners, center members, and other major stakeholders.

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

The Data Management Plan should describe physical and cyber resources and facilities that will be used for the effective preservation and storage of research data. These can include third party facilities and repositories.

Question not answered.

Additional possible data management requirements

More stringent data management requirements may be specified in particular NSF solicitations or result from local policies and best practices at the PI's home institution. Additional requirements will be specified in the program solicitation and award conditions. Principal Investigators to be supported by such programs must discuss how they will meet these additional requirements in their Data Management Plans.

Question not answered.