Plans for data management and sharing of the products of research-Dan.

Proposals must include a supplementary document of no more than two pages labeled "Data Management Plan". This supplement should describe:

1. the types of data, samples, physical collections, software, curriculum materials, and other materials to be produced in the course of the project;

2. the standards to be used for data and metadata format and content (where existing standards are absent or deemed inadequate, this should be documented along with any proposed solutions or remedies);

3. policies for access and sharing including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements;

4. policies and provisions for re-use, re-distribution, and the production of derivatives; and

5. plans for archiving data, samples, and other research products, and for preservation of access to them.

Project Summary

Creating software which is on time, on budget, and is high quality is a difficult task; one which many software projects do not achieve. Building mobile software that achieves these goals, while being secure, is an even more daunting task.

Insecure mobile software is created for a myriad of reasons, with some of the most prevalent being ignorance to proper security standards and protection techniques; but is largely due to the inability of the developer to incorporate these into the software development life-cycle of the application. Far too often, proper software development techniques, including security standards, are not used due to time or cost constraints on creating the application. Mobile applications tend to be released at a much faster pace, in comparison to their conventional software counterparts. This typically means that testing, for both security and functionality, needs to be conducted in an efficient manner. Additionally, while developers are often cognisant of making portions of the application more reusable or extensible, far fewer are able to plan for new or unforseen security updates when creating the application *[Dan says: change this?]*

Intellectual Merit

Broader Impacts

Project Description

Blah blah blah

1 Proposed Research

1.1 Darwin Project

1.2 "Engineering Secure Mobile Applications" Course

Broader Impacts

Results From Prior NSF Support

Biographical Sketch: Your Name

About Dan