February 3, 2018

Smartphones Overshare

Article-Based Observation: Q

Directions: Read the article "[Smartphones overshare]()" and then answer these questions:

1. What type of information can smartphones sense and measure? What type of sensors are not currently permission-protected?

2. In what ways can downloaded apps use a smartphone to potentially spy on a user without the user's knowledge or permission?

3. If an app did not have access to screen images and keystrokes, how could the app use a smartphone's other sensors to spy on a user's messages and passwords?

4. If an app did not have access to GPS, video or screenshots, how could it use a smartphone's other sensors to spy on a user's location and movements?

5. Give an example of an invasive app built by a researcher. What was the nefarious goal of the app and how successful was it at meeting its goal? What sensors did it use to extract the necessary data?

6. How does the 6thSense system help to protect smartphone users?

7. How does the DEEProtect system help to protect smartphone users? What is the tradeoff for a greater level of privacy using the DEEProtect system?

8. How does the AWare system help to protect smartphone users?

9. Summarize two main points of the article. What are two overarching ideas or questions that could be discussed after reading the article?

10. What other questions do you still have after reading the article?