COMPSCI 725 Practice Exam

October 11, 2016

Notes:

- Do not write your name on your answer sheet.

- The required readings for this course are listed on the back side of this question sheet.

1. (15 marks) Consider Table 1 below, reproduced from Dinev et al. (2014).

   Does the mobile health framework of Avancha et al. (2012) require an mHealth system to offer its users at least one of Dinev's tactics of information control? Justify your answer briefly.

Table 1   Tactics of information control

	Accuracy of personal information	
	Low	*High*
Amount of personal information externalized		
Low	SECRECY 2 Sharing of little and potentially inaccurate information Avoid digital representations of the real self	CONFIDENTIALITY 3 Externalization of restricted but highly accurate information
High	ANONYMITY 1 Sharing of personal information with concealing a consumer's real identity	NO CONTROL 4 Disclose large amount of personal information Reveal an accurate representation of the self

Source: Zwick and Dholakia (2004).

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Attachment

The following articles were on the assigned reading list this semester. They are listed in order of discussion.

Lampson (2004)	Computer Security in the Real World
Avancha et al. (2012)	Privacy in Mobile Technology for Personal Healthcare
Fagan and Khan (2016)	Why Do They Do What They Do?: A Study of What Motivates Users to (Not) Follow Computer Security Advice
Hoffmann et al. (2016)	Evaluating Analysis Tools for Android Apps
Khattak et al. (2016)	Do You See What I See? Differential Treatment of Anonymous Users
Starov et al. (2016)	No Honor Among Thieves: A Large-Scale Analysis of Malicious Web Shells
Genkin et al. (2016)	Physical Key Extraction Attacks on PCs
Zeltmann et al. (2016)	Manufacturing and Security Challenges in 3D Printing
Rasthofer et al. (2016)	Harvesting Runtime Values in Android Applications That Feature Anti-Analysis Techniques
Lettner et al. (2016)	Subversive-C: Abusing and Protecting Dynamic Message Dispatch
Wang et al. (2016)	Friend or Foe? Your Wearable Devices Reveal Your Personal PIN
Dinev et al. (2013)	Information Privacy and Correlates: An Empirical Attempt to Bridge and Distinguish Privacy-Related Concepts
Kang et al. (2015)	"My Data Just Goes Everywhere:" User Mental Models of the Internet and Implications for Privacy and Security