Mobile Application Authentication System (MAAS)

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Introduction

The Ohio State Medical Center provides iPhones to students, staff, and faculty to facilitate faster and more convenient access to its services. The mobile application communicates with the services using a 40-digit Globally Unique Identifier (GUID) to authenticate the users. This system does not use a common framework and as a result is not scalable. The 40-digit GUID is difficult to generate, remember and save securely. MAAS provides a common framework for authenticating Medical Center users. The secured channel is guaranteed by MAAS by using OSU shibboleth authentication mechanism for all OSU users with OSU username and password.

System Architecture

Use Case Diagram

Class Diagram

Multi-Layer Design

Acknowledgements

Mr. Chris Fish, our sponsor from OSU Medical Center, for providing the project idea and constant support. Dr. Igor Malkiman for giving support and guidance throughout the quarter. Adam Champion, teaching assistant, for general guidance and encouragement. Scott Cantor from OIT for help with shibboleth installation. Shaun Rowland from Dept. of Computer Science for technical support.