Beta Presentation
WhiteCaps

The Capstone Experience

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Project Overview

• WhiteCaps
• Mobile devices that capture whiteboards and other information
• Cloud to hold whiteboard images and metadata
• Web client to manage user profiles and whiteboard captures as stored on the cloud
System Architecture

Azure server serves up images, and allows users to create and modify groups to view varying levels of content.

Web Browser Application

Send Image and Whiteboard meta-data to the cloud

Android Application

IOS Application

The Azure server will also serve data and images to the mobile devices as well.
IPhone Application

WhiteCaps

Settings

View Captures

Capstone lab whiteboard.
Location:
Capstone Lab West
Group:
capstone

Cancel
Upload

Main Menu
View Captures
Create Group
Invite to Group
My Profile

TechSmith Corporation

The Capstone Experience
Team TechSmith Beta Presentation
Android Application

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Web Application

WhiteCaps

Welcome, Rob! [Logout]

Home

My Caps
My Groups
Whiteboards

Home

Here are some recent uploads!

[Images of computer screens and whiteboards]

The Capstone Experience
Web Application

WhiteCaps

Welcome, Rob! [Logout]
Web Application
Web Application

WhiteCaps

Display All Whiteboards
Click a whiteboard to generate a new QR code.
Capstone Lab
Web Application

WhiteCaps

About

WhiteCaps: Mobile Whiteboard Capture Solution

Software developers often use whiteboards to collaborate and document valuable drawings and ideas. These ideas usually end up getting erased or lost. TechSmith came up with a Mobile Whiteboard Capture Solution in which a person can snap a picture of a whiteboard and have that picture automatically saved and organized in the cloud to be easily located later. The goal of this project is to allow TechSmith employees, as well as the general public, to use whiteboards to collaborate and share information more easily.

This project includes a web application as well as mobile applications for the iPhone and Android devices. Users of the mobile app have the ability to take pictures which will automatically be uploaded to the cloud. Users are able to add metadata such as location, meeting name, text notes and voice notes to each whiteboard capture. They can organize and share these captures with other users or groups of users. All whiteboard captures and user profiles can be accessed on the web application from either the mobile phone or computer where users can add metadata, annotate captures, search or browse through captures, and manage user groups and profiles.

The web application is developed in C# using the .NET 4.0 framework and Windows Azure SDK. The iPhone application is developed in Objective-C using the iOS SDK, and the Android application is developed in Java using the Android SDK. The application uses Azure Cloud Services for web hosting and data storage.
What’s left to do?

• Polish user interface
• More extensive testing
• Improve usability
• Potentially work for stretch goals
• Implement security measures