

# MMU Mobile

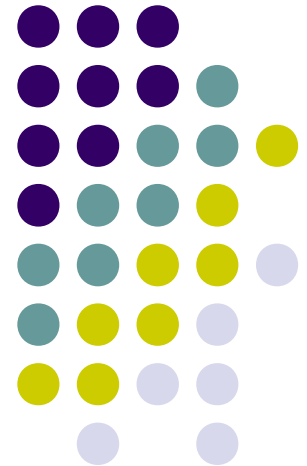
A personalized context-aware mobile system

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Presenter:

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1061109566

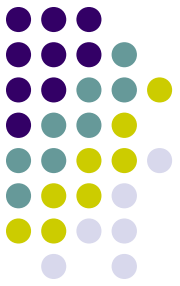


# Outline



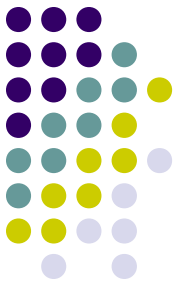
- What is MMU Mobile
- Objectives
- Problem statement
- Implementation Plan
- Solution
- Web Based Portal Prototype
- SMS Notification Service
- Zhiing Case Study
- MMU STK API Case Study
- Conclusion
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# MMU Mobile



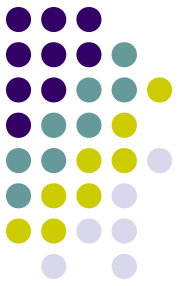
MMU Mobile is a personalized context-aware mobile system, based on the activity, time and identity. It provides short message service (SMS) notifications to only Multimedia University students based on their preferences.

# Objectives



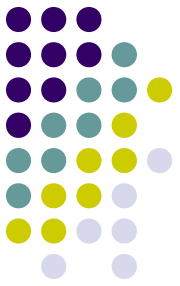
- To carry out several case studies on personalized context-aware mobile systems and their respective history.
- To propose a framework for providing personalized notification services based on the activity, identity and authorization context.
- To develop a web-based prototype system, to show the feasibility and usability of the framework
- To propose a SMS notification service for Multimedia University.

# Problem Statement



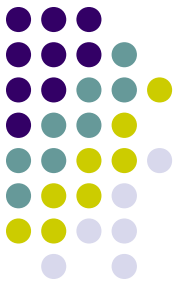
The project will build an SMS delivery mechanism for Multimedia University to notify students of announcements and updates. The existing system requires students to access the internet for announcements.

# Implementation Plan



- Phase 1: Planning Notification Services
- Phase 2: Event Management System (Planning)
- Phase 3: Subscription Management System (Planning)
- Phase 4: Delivery System (Planning)

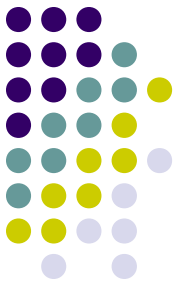
# Solution



The solution for this project will be conducted in four stages namely:

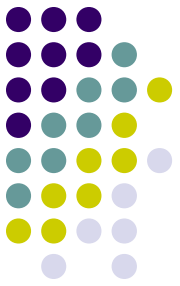
- Reminders SMS Notifications
- General/Emergency SMS Notifications
- Compulsory SMS Notifications
- Personalized SMS Notifications

# Web Based Portal Prototype



## Notification services Overview



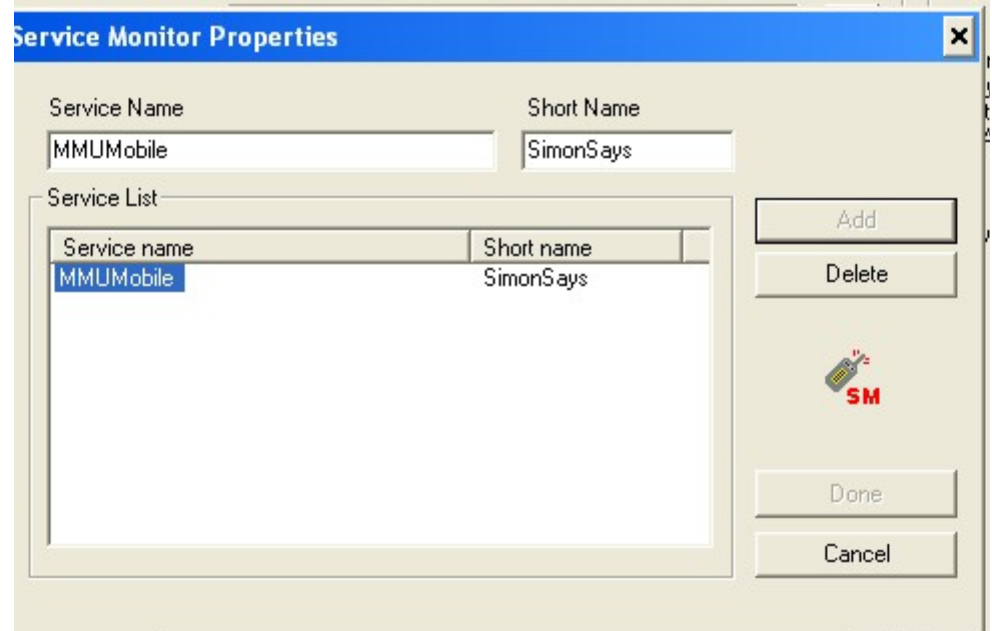


# SMS Notification Service

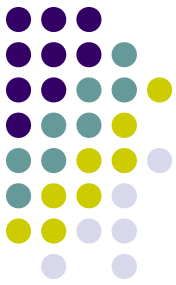
## Implementation plan/design

Using SysManSMS server during the initial configuration, we create an SMS notification service that later will be used by SysMan TellMe application you will see on the next slide.

The service added here is called MMUMobile.



# SMS Notification Service



**SysMan TELLme** - [Window Controls]

File Admin View Help

**Topics**

- MMLS
- MMUMOBILE
- SCHEDULES
- SIC

[New] [Edit] [Delete]

**Subtopics**

- ALL
- ANNOUNCEMENTS
- CIRCULAR
- CITS
- ERU
- FBL
- FCM
- FET
- FINANCE
- FIST
- FOE
- MEMO

[New] [Edit] [Delete]

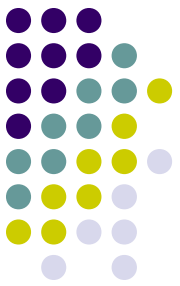
**Subscribers**

Mobile Number	Info	Registered	Expires	SubTopics	
Ahmed	Student	4/15/2010	5/5/2010	ERU	[New]
Alif	Student	4/15/2010	5/16/2010	ANNOUNCEME	[Edit]
Bubo	Student	4/15/2010	5/16/2010	CIRCULAR	[Delete]
Carla	Student	4/15/2010	-	MEMO	
Den	student	4/20/2010	-	ALL	
Diva	Student	4/15/2010	-	SECURITY	
Fatboy	Student	4/15/2010	-	MEMO	
Goms	Student	4/15/2010	5/17/2010	FET	
Lyn	Student	4/15/2010	-	CITS	
Nelly	Student	4/15/2010	5/16/2010	ALL	
Pinky	Student	4/15/2010	5/17/2010	FOE	
Rashad	Student	4/15/2010	-	FET	
Siti	Student	4/15/2010	5/16/2010	ALL	
Sternly	Student	4/15/2010	5/17/2010	SRC	
Yugan	Student	4/21/2010	5/14/2010	MEMO	

[Send SMS]

SysMan TELLme V8.04 - Ready Active Subscribers (15)

# Zhiing Case Study



**Zhiing** is a personalized activity and location based context aware mobile messaging utility. Zhiing does not replace

the existing event management system,

but adds value and more pervasive

functionality to enhance and deliver direct

SMS messages to students from event

providers

**Multimedia University Mobile** Send Directions, Maps, Messages & Data

Separate multiple entries with commas:

send to: 60166193542

from: fatimah.razak@mmu.edu.my

subject: announcement

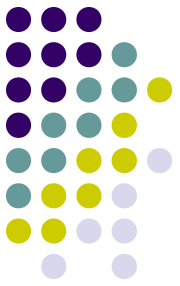
chat: Two-way interactive chat

Dear students to lecture classes will be postponed to next week

Keep window open to receive reply

 send

# MMU STK API Case Study



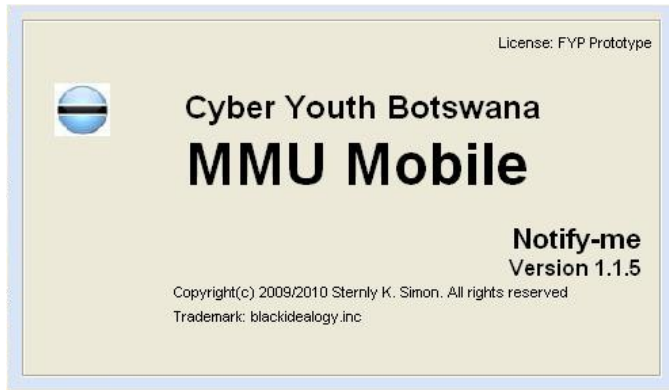
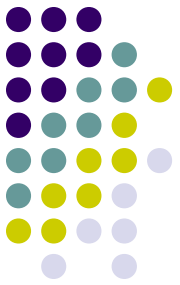
Introducing MMU Notify-me STK API easy menu is the solution that the university and the student need to interact with online portal.

Goals of the new system:

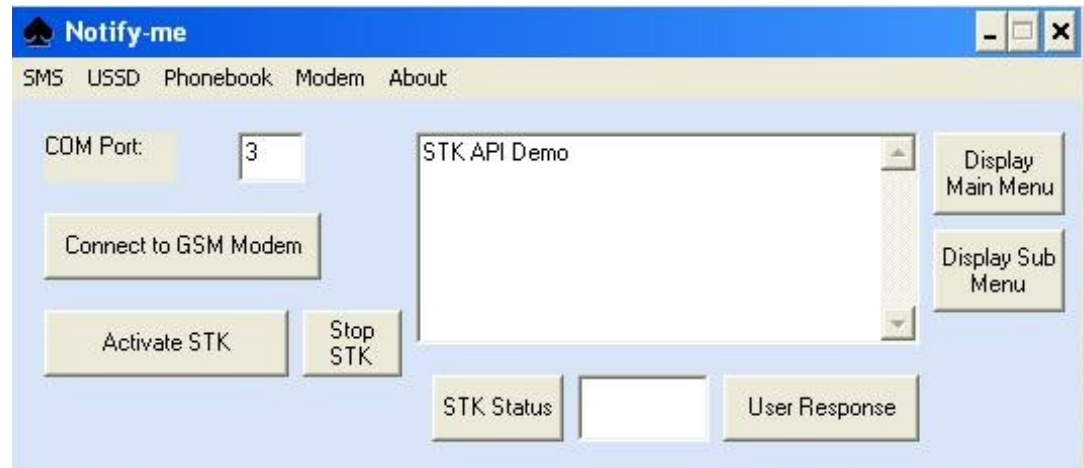
It should be secure, flexible and speedy.

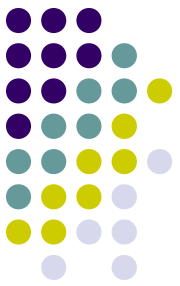
It is developed to demonstrate how the students will be able to subscribe for notifications from their mobile phones.

# MMU STK API Case Study

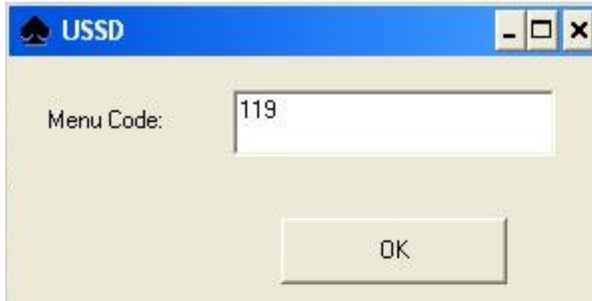


When the application is run, this splash screen to the left appears, then the Notify-me program loads the interface we see below





# MMU STK API Case Study

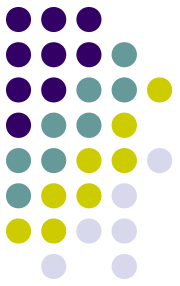


By clicking ok in the USSD interface on the right, MMU Mobile interface appears as below

One of the features of the STK that is used to interact with the Notify-me from a mobile device is the \*119# number which is issued by telco and here is just a demonstration of the actual running of the program.

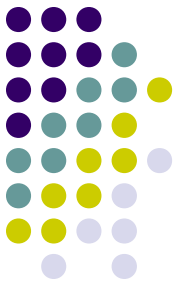


# Conclusion



Base on this prototype objectives that has been stated in previous slide, all four objectives have been successfully achieved. But there is still room for improvement and integration with the real existing system used by Multimedia University

# Questions and Answers



**Thank you**