



Team08
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Overview

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- Acknowledgement
- Summary







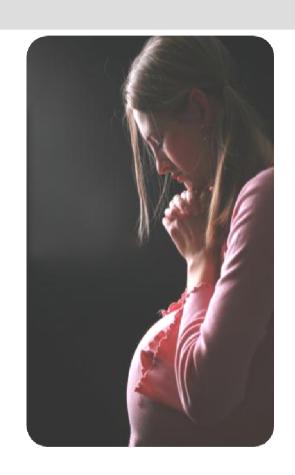
Motivation

•Problem:

- Developed or Developing nations -> Busy with common problem and they forget the important information!!!!!
- My sister -> forget to take vaccination while she was pregnant!!
- Health worker Life is difficult to manage.

•Is there any possibility?

- YES
- •small application can provide the personal care, send the important information and that would be **CMC**.







UN Millennium Development Goals

GOAL 4:

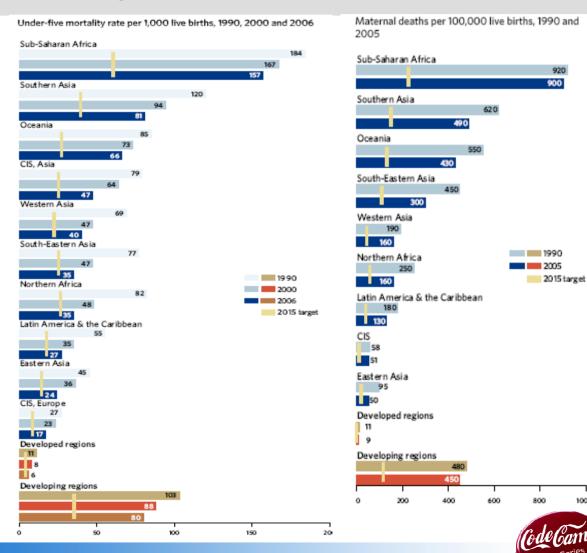
REDUCE CHILD MORTALITY

Target 1: Reduce by two thirds, between 1990 and 2015, the under-five mortality rate

GOAL 5:

IMPROVE MATERNAL HEALTH

Target 1: Reduce by three quarters the maternal mortality ratio





Facts

The private sector has increased the availability of some critical essential drugs and rapidly spread mobile phone technology throughout the

developing world.

Estimates for 2005 show that, every minute, a woman childhird Esumates for Zuub snow that, every minute, a woman and childbirth.

dies of complications related to pregnancy and childbirth.

This adds in to more than and non women and and the complications related to pregnancy and childbirth. dies of complications related to pregnancy and childbirth.

This adds up to more than 500,000 women annually and QUICK FACTS 10 million over a generation. Almost all of these women on minion over a yenerauon, minose an or mese wo Maternal mortality shows the greatest disparity among Maternal mortality snows the greatest disparity among woman's risk of dying countries: in sub-Saharan Africa, a woman's risk of dying countries: in sub-Saharan Africa, a womanications of countries: in sub-Saharan Africa, a womanications of countries in sub-Saharan Africa, a womanication in sub-Sah trom treatable or preventable complications of her lifetime is pregnancy and childbirth over the course of her lifetime is pregnancy and childbirth over the developed regnancy and childbirth over the developed regnancy and the develop countries: In sup-Danaran Amica, a woman's not from treatable or preventable complications of how pregnancy and childbirth over the course of her linetime regions.

The riek of a woman duing from pregnancy and children duing from pregnancy related. The risk of a woman dying from pregnancy-related The risk of a woman dying from pregnancy-related to a woman dying from the woman dying » Every year, more than 1 million children are left Every year, more man 1 million children are lend death.

Third to the second of maternal death.

Third to the second of the seco momeness and vulnerable because of maternal death.

Children who have lost their mothers are up to 10 times who have not children who have not more likely to die promoturely than those who have not more likely to die promoturely than those who have not more likely to die promoturely than those who have not more likely to die promoturely than those who have not more likely to die promoturely than those who have not more likely to die promoturely than those who have not more likely to die promoturely than the die promoturely the die promoturely than the die promoturely the die promoturely than the die promoturely the die promoturely than the die promoturely than the die promoturely the die promoture Children who have lost their mothers are up to 1u times who have not.

The more likely to die prematurely than those who have not.

There has been a tremendous increase in the use of cell phones in the past decade. By the end of 2008, worldwide use of mobile phones had increased to about 4.1 billion. (1)

In Africa alone, mobile phone sales have grown by 550 percent in five years, according to The United Nations

Conference on Trade and Development (2)



THE MILLENNIUM DEVELOPMENT GOALS REPORT 2008



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What CMC does?

- CMC stands for Care of Mom & Child in short.
- User creates profile and provide the start of pregnancy date
- CMC system will provide the diet and related symptoms info, child care info, vaccination alerts automatically on timely basis.
- Autonomous Message Service via SMS and Email notifications
- Plans to Sell the service in developed countries and can utilize it in aid for maternal health area of developing countries.





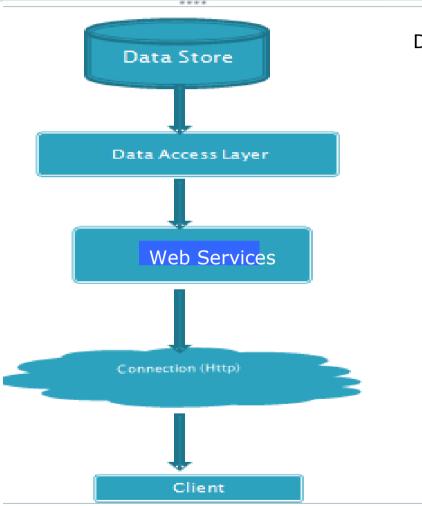
Technology Used

- Framework
 - Microsoft .NET Framework version 3.5 SP1
 - ASP. Net
- Language
 - C#
- Database
 - MS SQL Server 2008
- Tool
 - Microsoft Visual studio 2008





Architecture



Data Store: MS SQL database

3 tier architecture followed Presentation Web Services **Data Access**





Implementation challenges

- •SMS Gateway was not freely available
 - Test gateway is used for simulation.
- Simulating the service scenario within short demo
- Our Focus during codecamp

Rather than beautiful UI, creating autonomous environment using webservices so that we can ellaborate the idea better later also in good scale.

Lets see what we have.





Demonstration





Future Extension

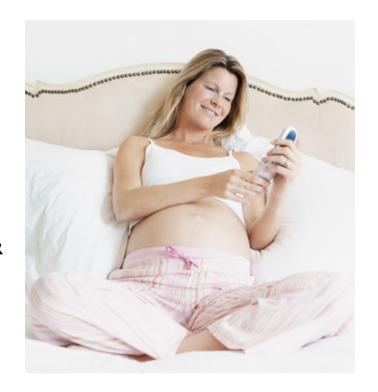
- Feedback Mechanism
- Health worker coordination with pregnant women
- Statistical Report Generation
 - child birth and mortality rate, seasonal and region based problem.
- Share physical used stuff





Summary

- CMC, helpful not only for pregnant women but also useful for health workers
- CMC will support the UN-MDG 4 &
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Acknowledgement

- All mothers in the world.
- To all participants and organisers of .NET Code Camp 2010 @ LUT.





Thanks



CMC Team

