SOFIA UNIVERSITY "St. Kliment Ohridski"
FACULTY OF MATHEMATICS AND INFORMATICS
Department "Informational Technologies"

Informational System with Mobile Access

Instructor: Assist. Prof. Vasil Georgiev

Student: Peter Hristov Svetiev

Speciality: Distributed Systems and Mobile Technologies

Faculty Number: M21836

Date: October, 2007

Annotation:

The main goal of the modern informational system is to provide actual information for many people. Internet gives an opportunity for fast data spread across wide areas. Today it is usual to have Internet connection for home or office use because of the low cost and fast installation of the service. But there are some cases when Internet access is very important for the people while they travel. In these cases it is much harder to provide an Internet connection. However these people are constantly connected to other network – their cell phone provider's network. This project aims to link the both most popular networks – Internet and mobile phone network.

The application includes web-based interface with ability to manage whole of the content and access from personal computer and mobile phone. The system is deployed primarily for interactive use by a potentially large number of contributors. Special computer skills are not required form the users. Part of the XHTML Mobile Profile source code and theory is used in the WAP/WML/XHTML course in the Faculty of Mathematics and Informatics.

Contents:

- ➢ **Introduction**

Describes the project and the contents of the documentation.

- ➢ **Chapter 1 – Problem scope and analysis of the existing realizations.**

Describes the problem scope and some existing realizations.

- ➢ **Chapter 2 – Technologies**

Describes Internet and mobile technologies that this project implements.

- ➢ **Chapter 3 – Functional Design.**

Describes the abilities of the application: user interface for an update, user roles, tests, WAP and i-mode interfaces, SMS, MMS, WAP Push SMS.

- ➢ **Chapter 4 – Realization.**

Describes the application design and architecture as well as used methods and classes.

- ➢ **Chapter 5 – User Guide.**
- ➢ **Summary and opportunities for update.**
- ➢ **Literature**
- ➢ **Appendix –** labs for the WAP/WML/XHTML course in the Faculty of Mathematics and Informatics.