A Comparative Study of Java Micro Edition and Flash Lite for Mobile data services

Posted by: Dirk van Schalkwyk
Supervisor: Dr Greg Foster
Co-Supervisor: Madeleine Wright
Email: g07v4569@campus.ru.ac.za
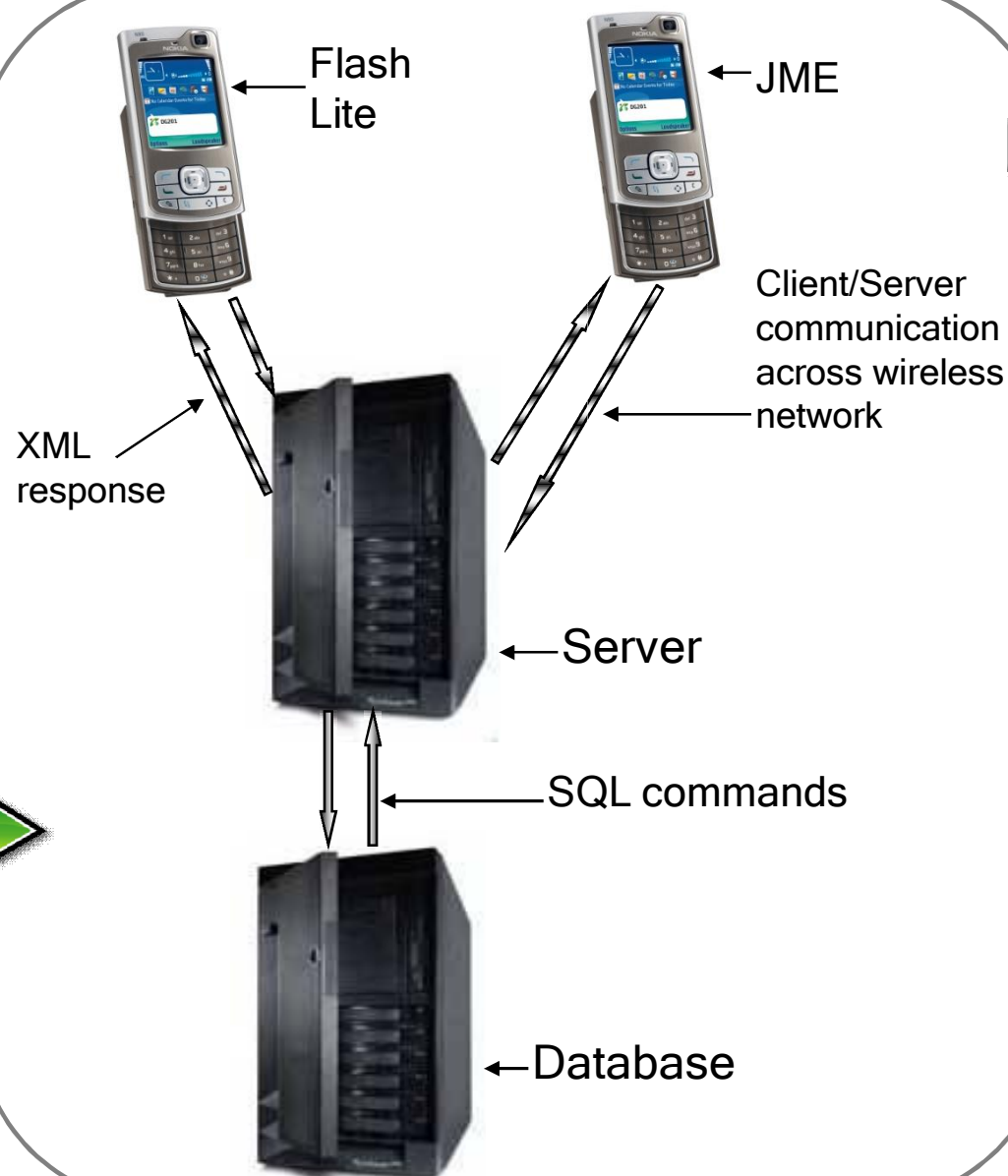**Website**: http://www.cs.ru.ac.za/research/g07v4569/

Introduction

• Focuses on the study, analysis, and comparison of JME and Flash Lite.

• JME is a well-established mobile data development platform with over a million developers.

• Flash Lite is an upcoming platform with up to 250 million Flash-enabled devices shipped to date.

Why?

• Need for the rapid and efficient creation, deployment and management of custom content on mobile phones

How?

Develop a complex mobile data service with

• Rich multimedia

• Client/Server communication

• Dynamic XML content

• Generation of SQL commands to a database

Flash Lite

JME

Client/Server communication across wireless network

XML response

Server

SQL commands

Database

What to test

• GUI capabilities

• Lines of code

• Supported APIs

• Multimedia features

• Security

• Foundation Language

• User, device and external component interactivity

Expected Results

• A set of qualitative and quantitative measurements reflecting platform strengths and weaknesses enabling a trade-off to be made when choosing a specific mobile data service to create

RHODES UNIVERSITY
Where leaders learn