

Term Project for Advanced Software Paradigms (CSCI-210-10)

The Department of Computer Science

The George Washington University

TODAY

Project Abstract

Version: 1.1

Sep. 24, 2010

Prepared for: Prof. Abdelghani Bellaachia

Prepared by: Maoxu Li & Zhong Xie

Description

Developing an Android application named Today to facilitate recording and tracking on moods, sharing moods with friends and making new friends via moods matching.

Team Members

Maoxu Li

lim@gwmail.gwu.edu

Zhong Xie

xz1989@gwmail.gwu.edu

Today – A mobile tool of moods management

Maoxu Li, Zhong Xie

The department of Computer Science, The George Washington University

lim@gwmail.gwu.edu, xz1989@gwmail.gwu.edu

Abstract

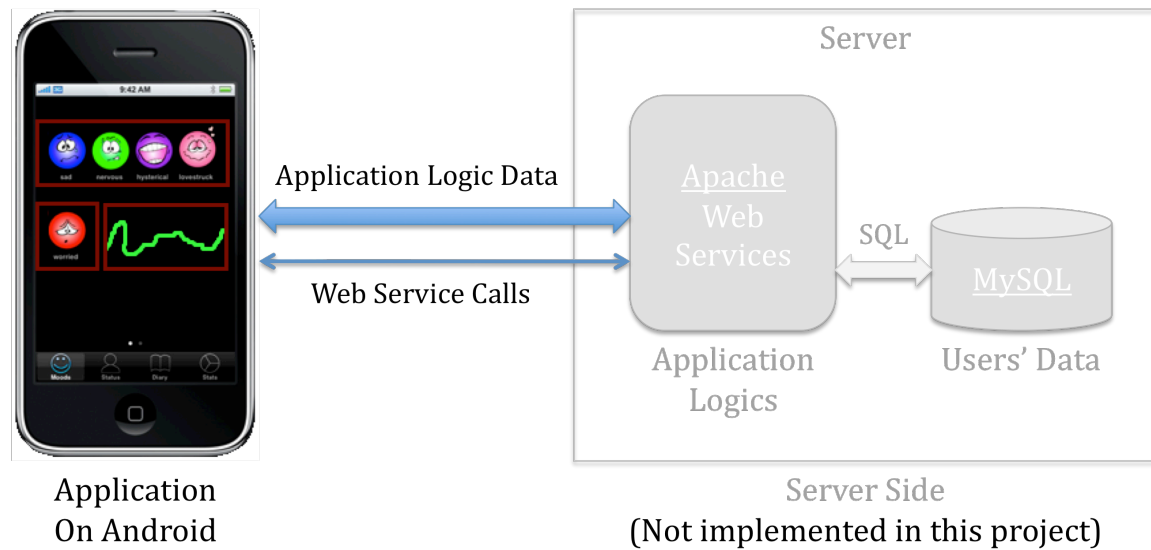
Social networking applications like Facebook and Twitter let us connecting with our friends, and we now know what they are saying and what they are doing. Mobile networking extends social applications into our everyday life. With applications running on smart phones, we may do everything, everywhere and anytime, which could only be done in front of computer before. Two of the most-attended mobile platforms are iPhone and Android.

How are you today? How are you feeling every day? Do you frequently ask yourself and your friends?

This project will develop a mobile application on Android platform, named Today, to facilitate recording everyday mood everywhere and anytime, tracking on moods changing over time, and adjusting moods in time. With Today, it will be also easy to share moods with friends, ask after them, and make new friends.

With a local application running on Android platform, Today displays a list of icons corresponding to various feelings. You may click one of the icons to record your current mood everywhere and anytime. The moods are permanently stored in a central database. Today also displays an icon to show your current mood and a curve to denote how your moods change during the past days so that you can track on your moods and remind yourself to adjust moods time by time. With some configurations, Today will display the moods of your friends. You can also ask after your friends. Besides, Today will do moods matching between friends and even strangers to let you find someone with moods like you.

In general, Today is a Client/Server system. On server side, central database is deployed to store the users' data. Also, some web services are deployed to offer data access and application logic service. On client side, an Android application is developed to interact with the user and interact with the server to collect, record, analyze, and display the user's moods. The architecture is shown below.



As a term project for class of software paradigms and under constraints of time, this project will focus on the development of client side. Based on the Android SDK, we will design and implement a local application running on Android platform with the graphic user interface and the interactions with the web services running on central server. The development of the server side, including database and web services, will be completed in another class project.