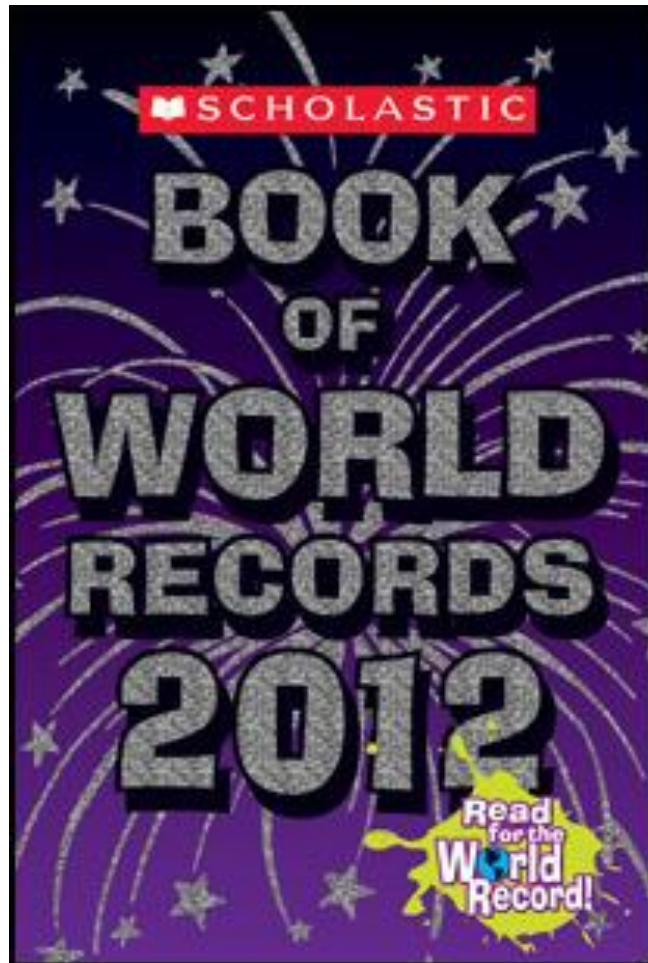


Country with the largest number of mobile phones per capita



UAE...



130

technology

country with the most cell phone accounts

United Arab Emirates

The United Arab Emirates has the highest percentage of cell phone users with 233 accounts per 100 people. With a small population of 4.6 million, there are 10.7 million cell phone accounts. This means that most people have more than one cell phone. It's common for countries such as the UAE—which has many foreign travelers—to have a high number of phones per person. This is because many travelers purchase a local cell phone to make calls within the country instead of trying to use their own from home. Cell phone use is most common in the large city of Dubai, which is the business and finance center of the country.

countries with the most cell phone accounts

accounts per 100 people



TRA Statistics

www.tra.gov.ae/latest_statistics.php

Consultations

TRA Sector & Initiatives

TRA Regulatory Framework

Type Approval

eCommerce

Consumer Affairs

National Emergency Plan

E-Participation

Open Data

Stay updated 24/7

Email Address

Register

Do you have any enquiries or
complaint
about your
service provider?



Test your Broadband Speed

Follow us
on



The table below shows some of the most recently available industry statistics

Jan 2012

Fixed Statistics

Jan 2012

Number of Fixed Lines ^[i] 1,836,644

Fixed lines per 100 inhabitants 22.9

Mobile Statistics

Jan 2012

Active Mobile Subscriptions ^[ii] 11,939,757

Mobile Subscriptions per 100 inhabitants 149.1

Post paid 1,393,893

Pre-paid 10,545,864

Internet Statistics

Jan 2012

Internet Subscribers 887,186

Dial-up subscribers ^[iii] 6,968

Broadband subscribers 880,218

Designing Learning Experiences through Mobile App Development



Qusay H. Mahmoud, Ph.D.
Professor of Computer Science
Director of CMER

2nd Middle East Summit on Mobile Computing
Dubai, April 11 – 12, 2012

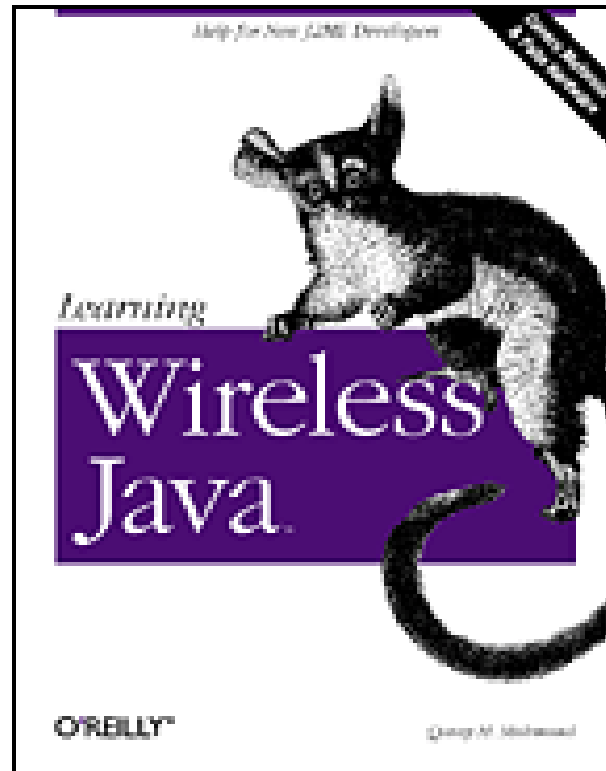
UNIVERSITY
of GUELPH

CHANGING LIVES
IMPROVING LIFE

<http://cmer.uoguelph.ca>

Who is this guy?

- Sun Microsystems -- Java Developer Relations (Java ME)



Mobile App Development in Intro Programming



BlackBerry® 6280

Mortgage App	Login
LoginID bank	Cancel
Password jckckckck	Select
	Clear Field
	Show Symbols
	Close

! Login Incorrect
Please try again

Mortgage App	Calc
Amount: 285000.00	Exit
Interest: 3.75	Select
Period: 25	Clear Field
	Show Symbols
	Close

Mortgage App
The monthly payment is
1465.2739188667008

T-Mobile
Confirming Login
You have successfully logged in!
Please select an option from the Menu
Menu
1 J2ME Quiz
2 Retrieve Marks
Cancel
Menu

T-Mobile
Question 5
How many days in a year?
☐ 362
☒ 370
☐ 365
Cancel
Menu

T-Mobile
End of Quiz
Your final score is 4
The questions you got wrong are
How many days in a year?
365
Exit

P R 0 8 L 3 M S

Some questions cannot be answered by

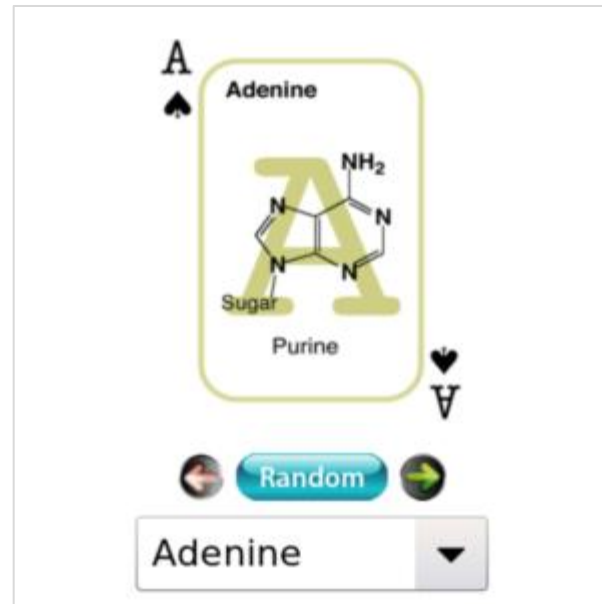
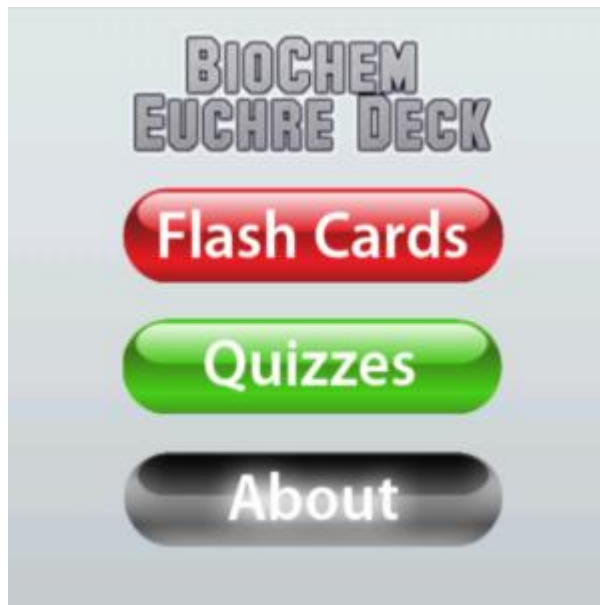
Google



Designing Learning Experiences
through
Mobile App Development

BioChem Euchre Deck*

- Amino acids (structures and properties)



* BioChem Euchre Deck for Dr. John Dawson, U of Guelph

Sample app store statistics

- BioChem Euchre Deck

Total user installs

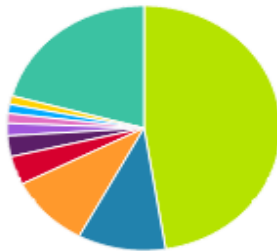


for Dec 16, 2011 - Mar 24, 2012

Show: last month 3m 6m 1y all



Total user installs on March 24, 2012



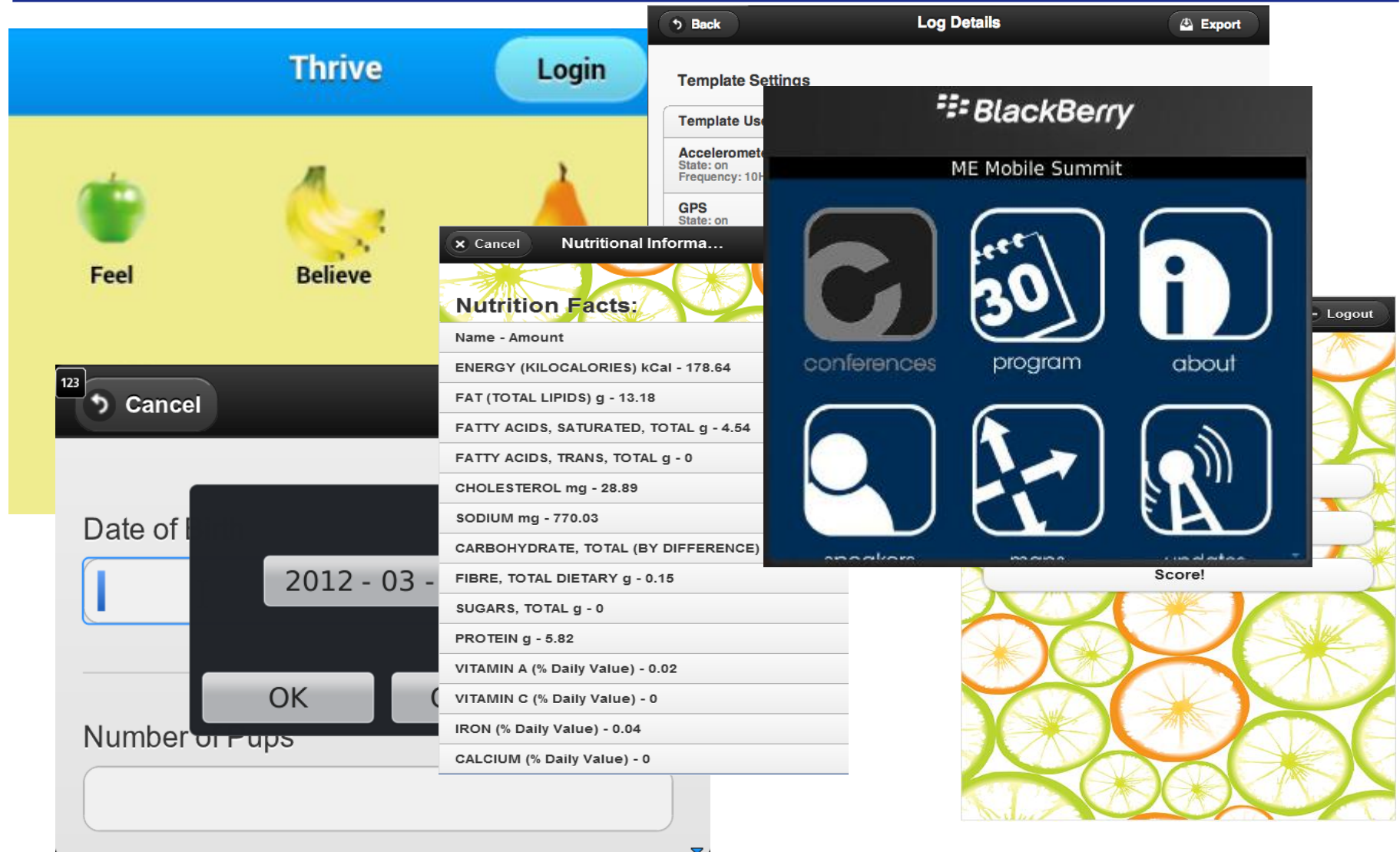
Your app

☒	United States	553	47.47 %
☒	United Kingdom	121	10.39 %
☒	Canada	112	9.61 %
☐	India	44	3.78 %
☐	Germany	32	2.75 %
☐	South Korea	19	1.63 %
☐	Italy	15	1.29 %
☐	Australia	14	1.20 %
☐	Sweden	13	1.12 %
☐	Others	242	20.77 %

CMER App Engineering

- CIS*3760 Software Engineering
- Clients
 - What they provide?
- Students
 - No mobile dev experience
- Evaluation
 - Peer & client

CMER App Engineering



App Fest



You need experience to get experience

I Made This!

- Designed it, developed it, published it, received reviews
- Mobile apps allow you to do this...

Career Paths for Computing Graduates

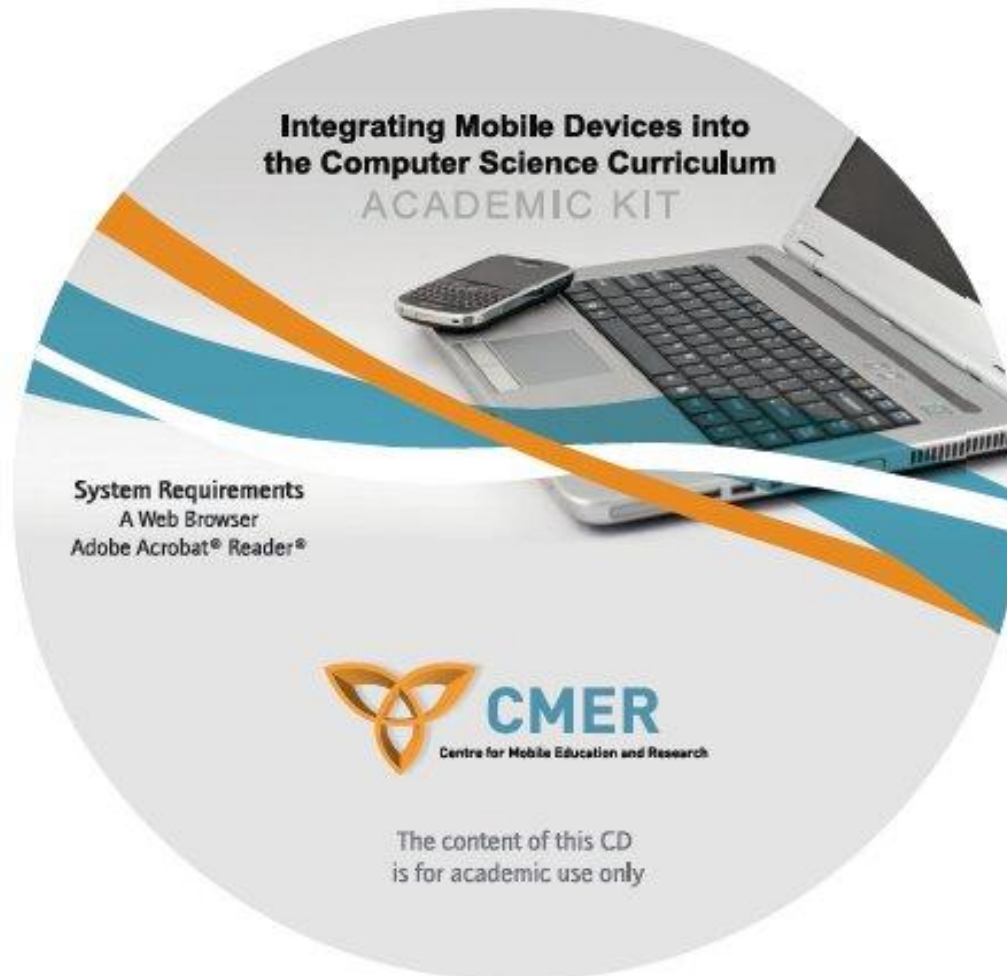
- Every career path involves aspects of mobile devices:
 - System administrators to configure email servers to support mobile users
 - Developers to build apps for mobile devices
 - Developers to port a Web interface to mobile devices
 - Project managers to understand the costs and benefits of porting a system to mobile devices
 - Graduate students to test performance of a mobile application

Take-away messages

- CS/IT is about giving life to your ideas
- I Made This
- Designing learning experiences

Making it easy for instructors and students

- CMER Academic Kit



<http://cmer.cis.uoguelph.ca/kit>



Q & A

qmahmoud@uoguelph.ca

<http://cmer.uoguelph.ca>