

# **CAMR APPLICATION**

## **A smartphone-based context-awareness framework for mobile multimedia personalization- A demo**

*Presented as part of Media, Arts and Technology (MAT) Research Projects  
At the Center for Telecommunications and Multimedia, INESC TEC, Portugal*

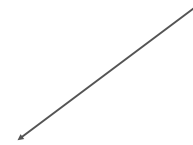
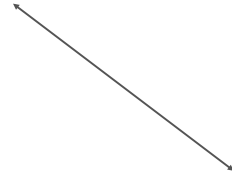
By

*Abayomi Otebolaku & Teresa Andrade*

3<sup>rd</sup> Feb. 2015



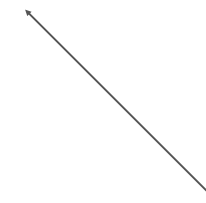
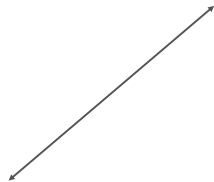
Mobile User

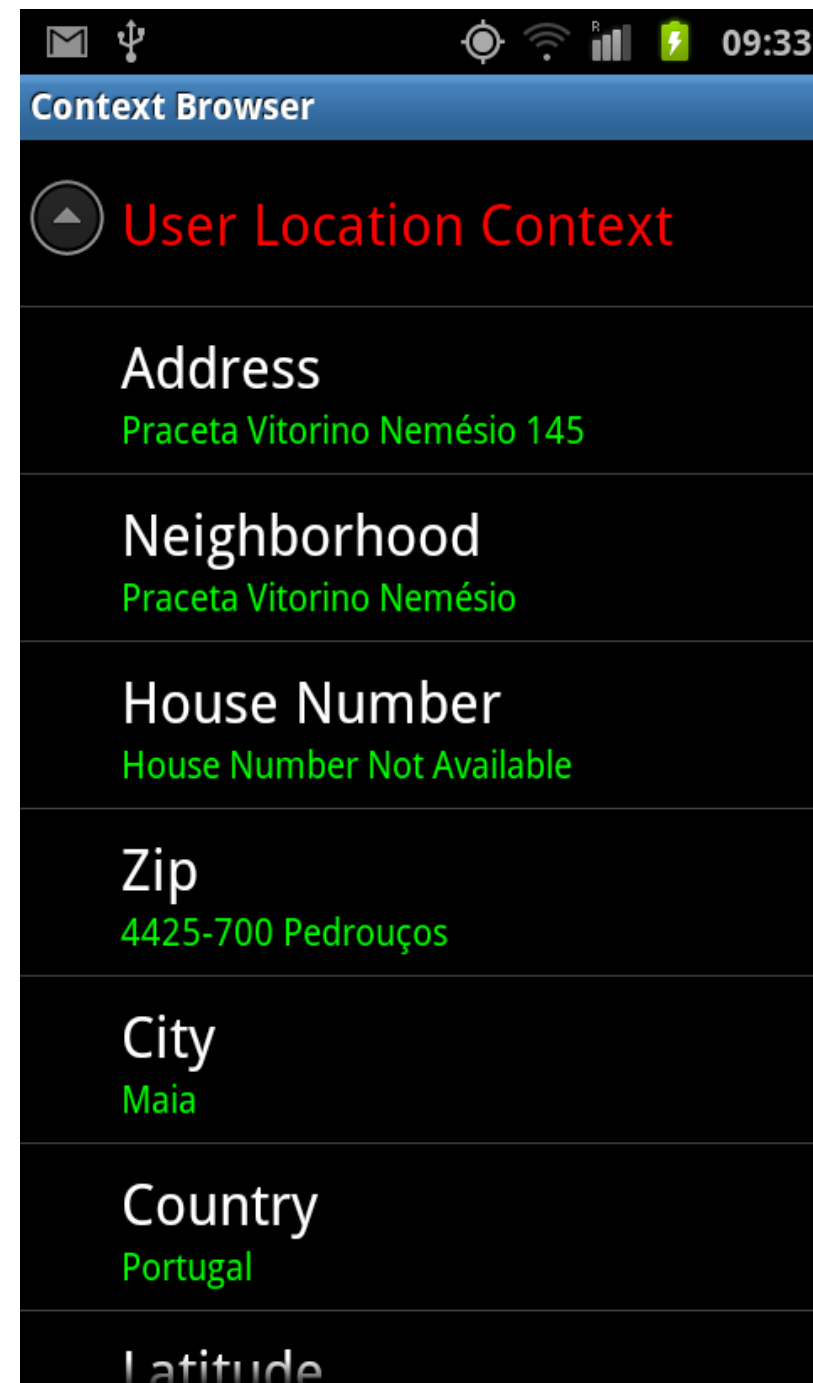
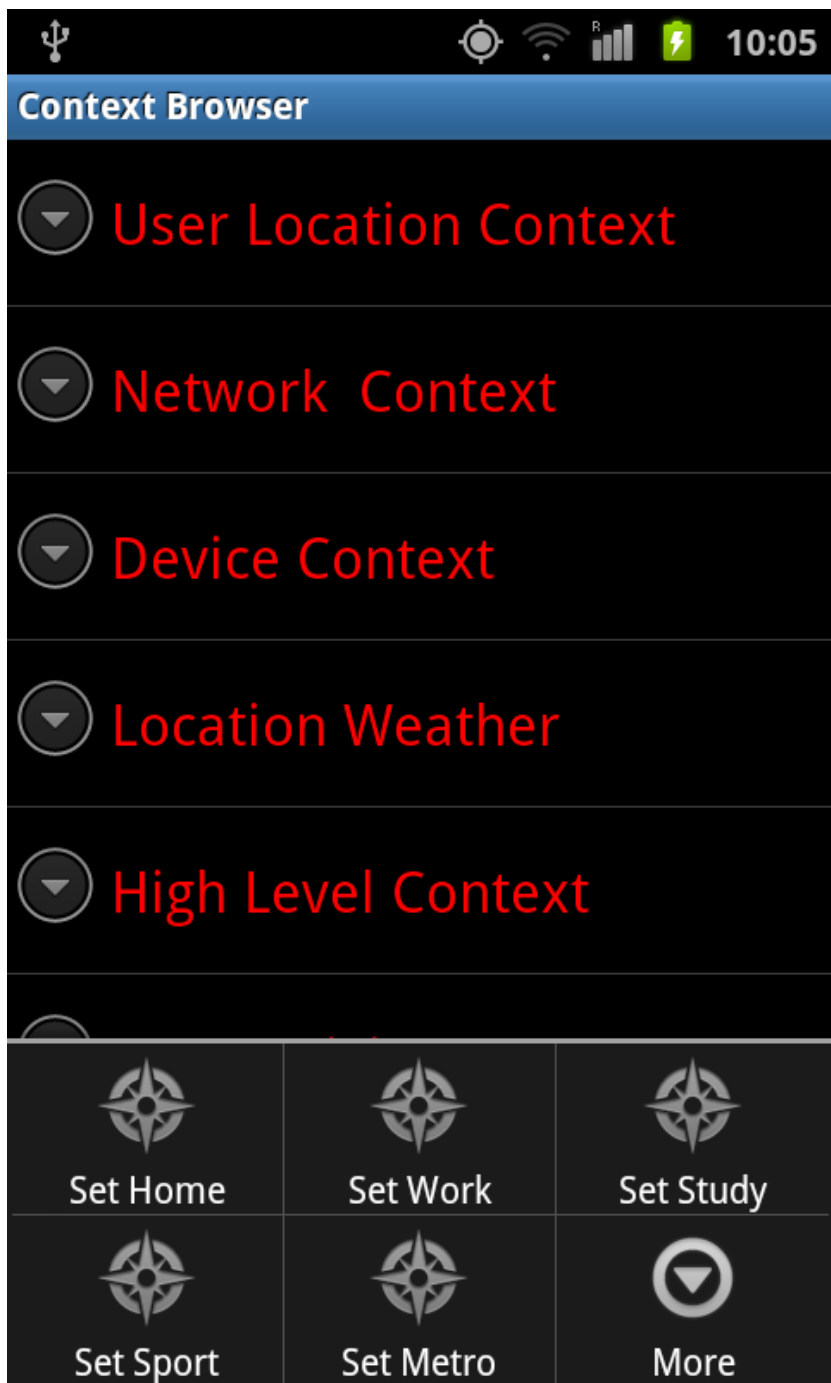


Mobile User



Mobile User





Context Browser

## Device Context

Device Id  
354781045856421

PowerPlugged  
false

Maximum Sound Pressure  
67.63 dB

Sound Pressure  
43.58 dB

Display Scaled Density  
1.1375

Display Density  
182.0

Actual Display Dimension  
234.46153x236.27907

Absolute Display Dimension  
480x800

Display Refresh Rate  
55.77



Context Browser

## Network Context

Download Rate  
142.0 kbps

Maximum Download Rate  
142.0 kbps

Upload Rate  
18.0 kbps

Maximum Upload Rate  
18.0 kbps

Network Delay  
417 millis

Maximum Network Delay  
511 millis

TotalBytesReceived

Context Browser

Temperature  
13 degrees C

Condition  
Showers in the Vicinity

Humidity  
72%

Pressure  
982.05 mbar

WindSpeed  
11.27 KMH

WindChill  
250

WindDirection  
13 degrees ,NNE



Context Browser

High Level Context

Place  
User NEAR HOME

Activity Context  
Walking

DeviceOnPerson  
User with Device

IndoorsOrOutdoors  
User Outdoors

WeekDay  
WeekDay

DayTime  
Morning

User Activity Context

Activity Context  
Walking

Steps  
528

100% 10:04

## CAMR Framework

### General

**Run at Startup**   
Run at Startup Enabled

### Location Context Paramaters

**Location**   
Location Context Enabled

**Proximity**   
Proximity Context Enabled

**Location Poll Frequency** >

**Location Store Frequency** >

### Activity Context Paramaters

**Activity**   
Activity Context Enabled



09:42

Your Movie Recommendations...Click Menu for further

**The Dictator**  
Rating: 5.7  
Release Date: 2012-05-16  
Certification: R  
Language: en  
Adult: false  
Votes: 273  
Runtime: 0  
Popularity: 3

**The Dictator**  
Rating: 5.0  
Release Date: 2009-09-20  
Certification:  
Language: en  
Adult: false  
Votes: 1  
Runtime: 0  
Popularity: 3

**Ratko: The Dictator's Son**  
Rating: 0.0  
Release Date: 2009-06-01  
Certification:  
Language: en  
Adult: false  
Votes: 0  
Runtime: 0  
Popularity: 3

**The Tramp and the Dictator**  
Rating: 7.5  
Release Date: 2002-01-01  
Certification:  
Language: en  
Adult: false  
Votes: 1  
Runtime: 0  
Popularity: 3

**The Dictator's Guns**  
Rating: 7.3  
Release Date: 1965-06-18  
Certification:

See Movie Synopsis

View Small Poster

View Cover Poster

**Watch Trailer**

More Detail from IMDB

Get Content Context History


Context Browser

Move Down Move Up


13:26

Your Movie Recommendations...Click Menu for further Details...

**The Old Curiosity Shop**  
Rating: 8.5  
Release Date: 1995-03-19  
Certification:  
Language: en  
Adult: false  
Votes: 1  
Runtime: 0  
Popularity: 3



**Ploy**  
Rating: 8.0  
Release Date: 2007-06-07  
Certification:  
Language: en  
Adult: false  
Votes: 1  
Runtime: 0  
Popularity: 3



See Movie Synopsis      View Small Poster

View Cover Poster      Watch Trailer


More Detail from IMDB      More




16:21


Your Movie Recommendations...Click Menu for further Details...

**Return**  
Rating: 9.0  
Release Date: 2012-02-10  
Certification:  
Language: en  
Adult: false  
Votes: 1  
Runtime: 0  
Popularity: 3




**Complete action using**

 Browser

 YouTube

Always      Just once

**Cannibal Campout**  
Rating: 6.0  
Release Date: 1988-01-12  
Certification:  
Language: en




Move Down      Move Up

22:05


Your Movie Recommendations...Click Menu for further Details...

**Cracks**  
 Rating: 9.5  
 Release Date: 2009-12-04  
 Certification:  
 Language: en  
 Adult: false  
 Votes: 4  
 Runtime: 0  
 Popularity: 3



CRACKS

**The Bourne Identity**  
 Rating: 7.2  
 Release Date: 2002-06-06  
 Certification: PG-13  
 Language: en  
 Adult: false  
 Votes: 563  
 Runtime: 0  
 Popularity: 3



THE BOURNE IDENTITY

See Movie Synopsis      View Small Poster


View Cover Poster      Watch Trailer

More Detail from IMDB      More

13:24


Your Movie Recommendations...Click Menu for further Details...

**Bigger Than Life**  
 Rating: 9.0  
 Release Date: 1956-08-02  
 Certification: NR  
 Language: en  
 Adult: false  
 Votes: 1  
 Runtime: 0  
 Popularity: 3




BIGGER THAN LIFE

**Dirty Girl**  
 Rating: 7.6  
 Release Date: 2011-10-07  
 Certification: R  
 Language: en  
 Adult: false  
 Votes: 6  
 Runtime: 0  
 Popularity: 3



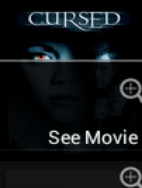
LET THEM TALK  
DIRTY GIRL

**Requiem for a Dream**  
 Rating: 7.4  
 Release Date: 2000-10-06  
 Certification: R  
 Language: en  
 Adult: false  
 Votes: 155  
 Runtime: 0  
 Popularity: 3



REQUIEM FOR A DREAM

**Cursed**  
 Rating: 6.5  
 Release Date: 2005-02-24  
 Certification: PG-13  
 Language: en  
 Adult: false  
 Votes: 11



CURSED


See Movie Synopsis      View Small Poster      View Cover Poster

Watch Trailer      More Detail from IMDB      Move Up

13:24


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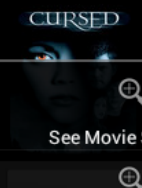
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CURSED

See Movie Synopsis      View Small Poster      View Cover Poster

Watch Trailer      More Detail from IMDB      Move Up



Skyfall

Rating: 7.5
Release Date: 2012-11-09
Certification: PG-13
Language: en
Adult: false



Skyfall

When Bond's latest assignment goes gravely wrong and agents around the world are exposed, MI6 is attacked forcing M to relocate the agency. These events cause her authority and position to be challenged by Gareth Mallory (Ralph Fiennes), the new Chairman of the Intelligence and Security Committee. With MI6 now compromised from both inside and out, M is left with one ally she can trust: Bond. 007 takes to the shadows - aided only by field agent, Eve (Naomie Harris) - following a trail to the mysterious Silva (Javier Bardem), whose lethal and hidden motives have yet to reveal themselves.

Close Synopsis

Move Down

Move Up

Downfall

Rating: 8.7
Release Date: 2004-09-08
Certification: R
Language: en
Adult: false
Votes: 49



Close Poster

Dead Space



Puzzle



Rating:
Release:
Certification:
Language: en
Adult: false
Votes: 0
Runtime: 0
Popularity: 3

Adolf Hitler - My Part in His Downfall

Move Down

Move Up

