Project plan

Group 8

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Project Name: Artsdatabanken Project sponsor: Artsdatabanken

1 Pre-Study

1.1 Tech comparison

1.1.1 Android

Android is an operating system developed for a variety of mobile devices. It is based on the linux kernel, and provides a developer-friendly framework for app development (Dalvik virtual machine). Most of it's code is released under the Apache Licence, a free software licence.

- Can be developed using any major operating system (linux, windows, ...)

- Does not require any specialized hardware

- Android devices can be emulated (AVD). This allows for testing on different screen sizes, etc.

- Open source

1.1.2 iOs

- iOs development requires

  - Macintosh running Mac OSX
  - iFamily device for testing

- iOS based applications can be developed on iPad or IPod Touch, but these devices lack accelerometer, compass, build-in GPS and camera accessibility facilities

- Apple is not fond of GPL or free software, this makes it problematic to use and develop open source solutions

1.1.3 Phonegap

- Applications can be developed for Apples iOS, Googles Android, Microsofts Windows Mobile, Nokias Symbian OS, RIMs BlackBerry and bada.

- Enables developers to take advantage of JavaScript, HTML5 and CSS3, which they might have already been familiar with.

- Access Native features such as compass, camera, network, media, notifications, sound, vibrate and storage etc.

- Open source

2 Requirements Specification

for Artsdatabanken Mobile Application   Version 1.0   by Customer-driven Project, Group 8   Dag-Inge Aas, Nikola Djoric, Muhsin Gunaydin, Stian Liknes, Yonathan Redda, Anders Rye, Andreas Berg Skomedal

2.1 Revision History

Name	Date	Reason for change	Version
Initial	06/09-2011	-	1.0

2.2 Introduction

2.2.1 Purpose

The purpose of this section is to outline the needs of the application. Map the flow of use to specific requirements and guidelines.

2.2.2 Target Audience

The Application is targeted to both professional users who will "use whatever they're given", yet have different main focuses than more casual users. Also the possible new user groups who might start using the services of Artsdatabanken if given an easy to use interface.

2.2.3 Project Scope

2.3 . Functional Requirements

2.3.1 "System Feature 1"

- Description

- Complexity

- Priority

2.4 Use Cases

2.5   Other Nonfunctional Requirements

2.5.1   Performance Requirements

2.5.2   Safety Requirements

2.5.3   Security Requirements

2.5.4   Software Quality Attributes

2.6   Other Requirements

3   References

References

[1] Richard Gaywood. The gpl, the app store, and you. *http://www.tuaw.com/*, 2011.

[2] Mark H. Goadrich and Michael P. Rogers. Smart smartphone development: ios versus android. Technical report, Mathematics and Computer Science Centenary College of Louisiana and Computer Science Information Systems, Northwest Missouri State University, 2011.

[3] Wikipedia. Android (operating system), 2011.