

Project Progress Report :-

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Introduction

Android is a software stack of mobile devices that include an operating system, middleware and key application. Android is a software platform and operating system for mobile devices based on the Linux operating system and development by Google and the Open Handset Alliance.

It allows developers to write managed code in Java-like language that utilizes Google-developed Java libraries but does not support programs developed in native code.

The unveiling of the Android platform on 5 November 2007 was announced with the founding of The Open Handset Alliance, a consortium of 34 hardware, software and telecom companies devoted to advancing open standards for mobile devices, when free-software and open sources licence.

The Birth of Android

Google Acquires Android Inc.

In July 2005, Google acquired android Inc. a small startup company based in Palo Alto, CA. Android's co-founders who went to work at Google included Andy

Rubin (co-founder of Danger), Rich Miner (co-founder of Wildfire Communications, Inc.), Nick Sears (one VP at T-Mobile), and Chris White (one of the first engineers at WebTV). At the time, little was known about the functions of Android Inc. Other than they made software for mobile phone.

At Google, the team, led by Rubin, developed Linux-based mobile devices which they marketed to handset makers and carries on the premise of providing fireridge upgraded system. It was reported that Google had already lined up a series of hardware component and software partners and signed to carriers that it was open to various degrees of cooperation on their part.

OPEN handset Alliance Founded:-

On 5 November 2007, The Open Handset Alliance - a consortium of several companies which include Google, HTC, Intel, Motorola, qualcomm, T-Mobile, Sprint, Nextel and NVIDIA, was unveiled with the goal to develop open standards for mobile devices. Along with the formation of the Open Handset Alliance, the OHA also unveiled their

First product android an open source mobile devices platform based on the Linux operating system.

hardware

Google has unveiled at least three prototype for android, at the mobile world congress on February 17, 2008. One prototype but the ARM booth displayed several basic google application. I-pad control zooming of item in the dock with relatively quick response.

FEATURES :-

APPLICATION FRAMEWORK :-

It is used to write application for android. Unlike other embedded mobile environments, android application are all equal, for instance, an application which come with the phone are no different than those that any developer writes. The framework is supported by numerous open source libraries such as SENSORS, MySQL and lib CS. It is also supported by the android core libraries from the point of security.

Dalvik Virtual Machine:-

It is extremely low-memory based virtual machine, which was designed especially for android to run on embedded systems and work well in low power situations. It is also tuned to the CPU attributes. The Dalvik VM creates a special file format (.dex) that is created through build time post processing conversion between Java classes and .dex format is done by included 'dx' tool.

MySQL

MySQL is a freely available open source Relational Database Management System (RDBMS) that uses Structured Query Language (SQL). SQL is the most popular language for adding, accessing and managing content in a database.

Data Storage

MySQL is used for structured data storage. The most popular open source SQL database management system, is developed, distributed, and supported by Oracle Corporation.

web Browser.

The web browser available in Android is based on the open-source WebKit application framework. It includes Lowbeam which is modern web browser engine which powers both the Android browser and an embedded web view.

Java Virtual Machine

Software written in Java can be compiled into Dalvik byte codes and executed in the Dalvik virtual machine which is a specialized VM implementation designed for mobile device use, although not technically a standard Java virtual machine.

Additional Hardware support

Android is fully capable of utilizing video/still cameras, touch screens, GPS, compasses, accelerometers, and accelerated 3D graphics.

What is PHP?

PHP is a server side scripting language designed for web development but also used as general-purpose programming language. PHP is now installed on more than 249 million websites and 2.1 million web servers. Originally created by Rasmus Lerdorf in 1995. The reference implementation of PHP is now produced by The PHP Group.

- PHP files can contain text, HTML, JavaScript code, and PHP code.

- PHP code is executed on the server and result is returned to the browser as plain HTML

- PHP files have a default file extension of "PHP".

What can PHP do?

- PHP can generate dynamic page content

- PHP can create, open, read, write, and close files on the server

- PHP can collect form data

- PHP can send and receive cookies
- PHP can add, delete, and modify data in your database
- PHP can restrict users to access some pages on your website
- PHP can encrypt data.

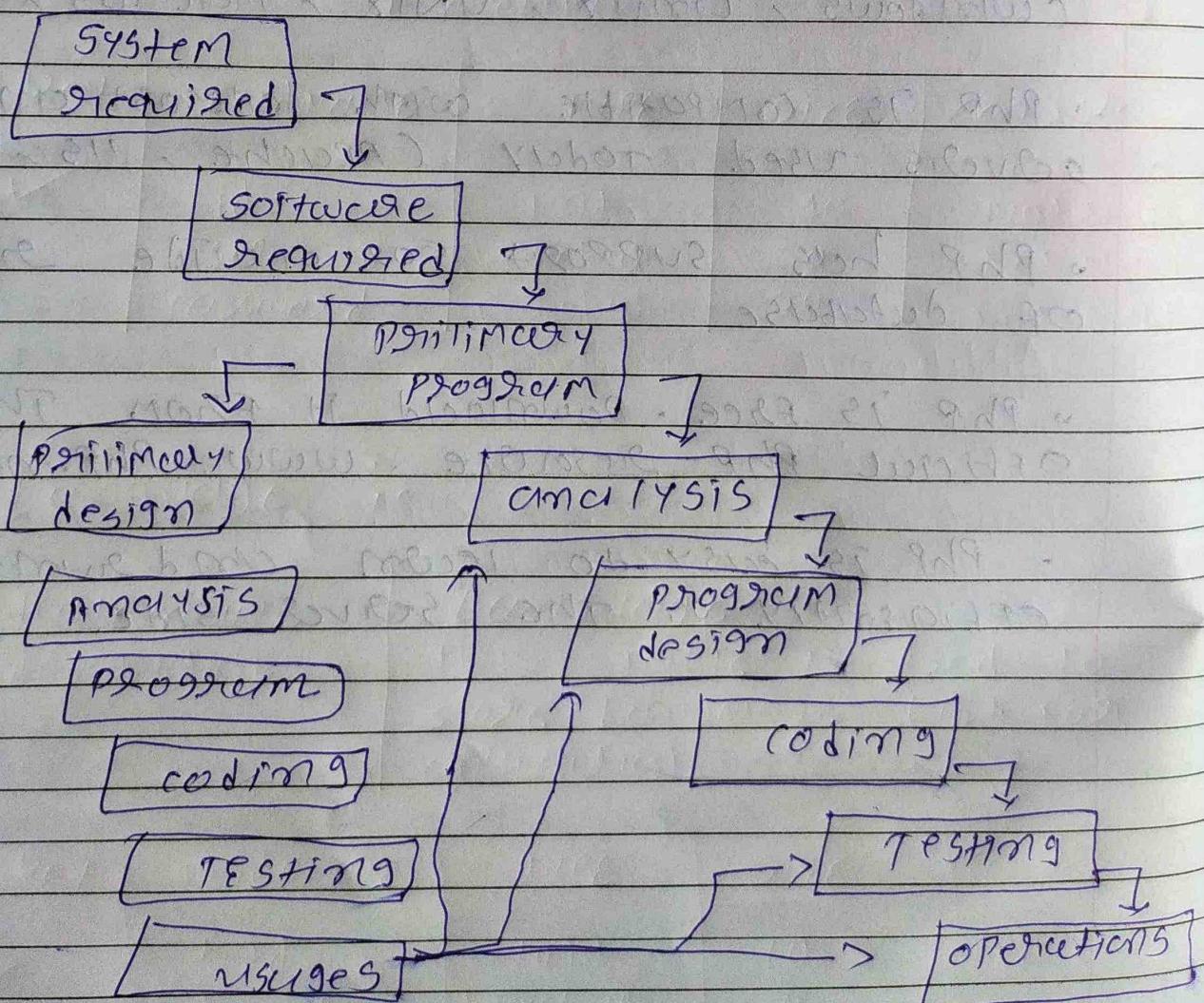
Why PHP ?

- PHP runs different platform (Windows, Linux, Unix, Mac OS X, etc.)
- PHP is compatible with almost all servers used today (Apache, IIS, etc)
- PHP has support for a wide range of database
- PHP is free. Download it from the official PHP resource . www.php.net
- PHP is easy to learn and runs efficiently on the server side

Advantages of MySQL

- It's easy to use.
- It's secure.
- It's inexpensive.
- It's fast.
- It's scalable.
- It manages memory very well.
- It runs on many operating system.
- It supports several development interfaces.

* Waterfall Model

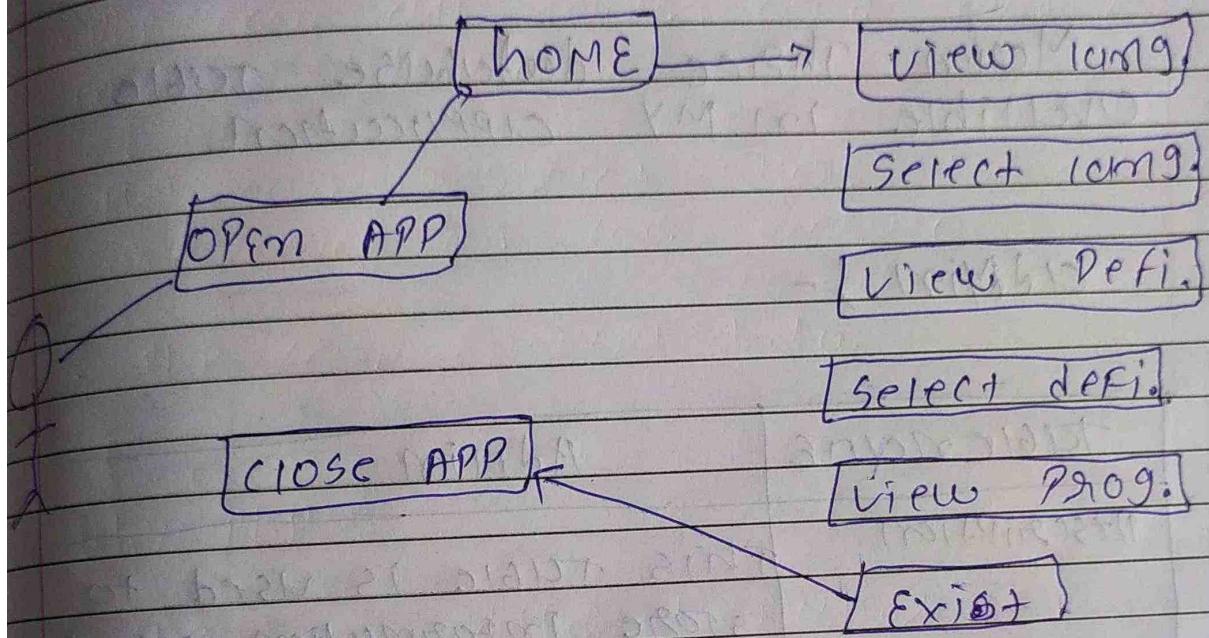


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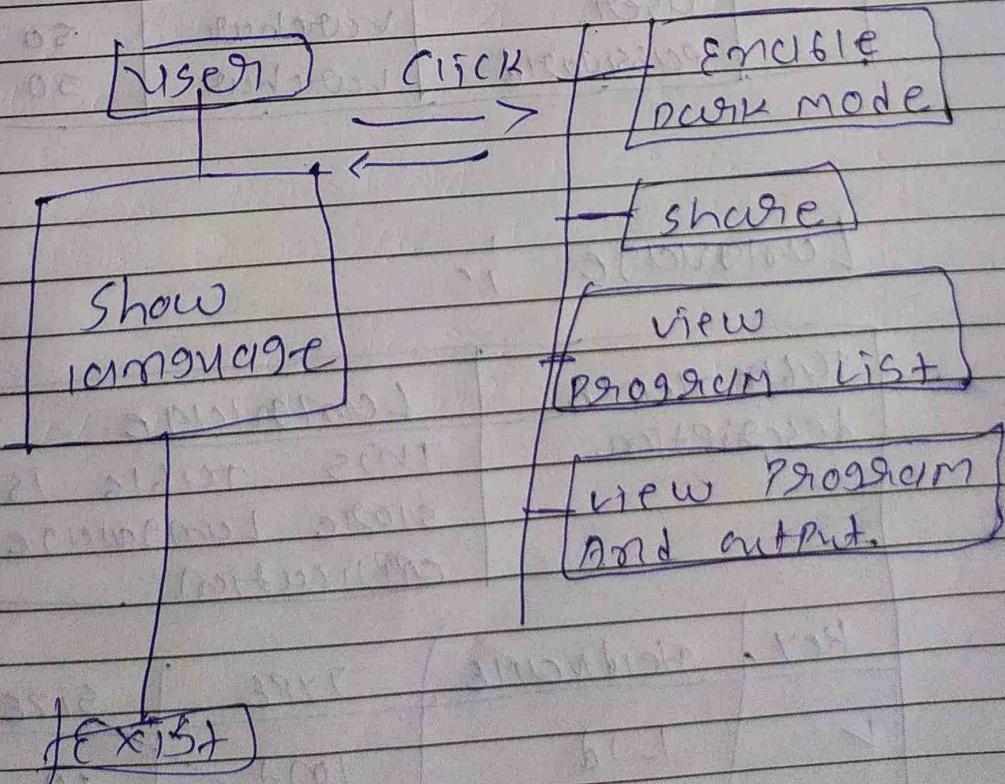
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use case diagram :-



context level diagram



database ; -

Mean There are three database table available in my application

Admin ; -

TABLE NAME	Admin
DESCRIPTION	This table is used to store information about admin

KEY	FIELDNAME	TYPE	SIZE	CONSTRAINTS
✓	id	int	10	NOT NULL
	user	varchar	50	NOT NULL
	password	varchar	50	NOT NULL

Language ; -

TABLE NAME	Language
DESCRIPTION	This table is used to store language list for application

KEY	FIELDNAME	TYPE	SIZE	CONSTRAINTS
✓	l_id	int	10	NOT NULL
	language	varchar	30	NOT NULL
	l_name	varchar	50	NOT NULL

program :-

<u>FIELDNAME</u>	<u>PROGRAM</u>
<u>description</u>	This table is used to store information about program list

KEY	FIELDNAME	TYPE	size	constraint
✓	P_id	int	5	NOT NULL
	P_name	varchar	30	NOT NULL
	P_cat	int	5	NOT NULL
	P_file	varchar	30	NOT NULL
	P_img	varchar	30	NOT NULL