Learning Resource Management Using Android Application

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Abstract- *There are many systems that give the ability to submit an obligation online, in an easy method for the student and the lecturer who will receive and evaluate the student work; also it gives the ability for the student to submit the assignment from different locations served by internet. The planned model is based on identifying the user functionality that must exist in the OAS. The expected result from this model is to show the result of function test from the teacher side in e-learning process.*

Keywords- online assignment, ICT, e-learning

I. INTRODUCTION

Quiz Application and Regular assignment activity is mainly required by students to prepare themselves for examinations directly through smart phones and tablets in hands. In traditional system of coursework submission the student should submit a hard copy of the obligation in a fixed due date either in group or at the lecturer office, this process is a very laborious maneuver, and it also desires extra cost. In the other side the lecturer must preserve a space to arrange all coursework, and it will take a gigantic space every semester, this process require the lecturer to spend extra time to assemble each obligation and quizzes with its faction. Assignment organizing involves many tasks starting with obligation gathering, date stamping, and redistribution to tutor for marking, feast of results, and it's arrival it to students . It is wide-ranging nowadays to use software to facilitate and add significance to the process of coursework submission, facilitated by the ubiquity of Internet access, and the relative reasonability of computing gear. One of the major ambition of our project is to facilitate students in learning, absorbing and improving their knowledge expertise. We designed the application to facilitate the users to be able to take squat quizzes using portable devices such as smart handhelds and tablets.

II. LITERATURE SURVEY

The development and design of the learning resource management based on the network upbringing

Authors: Pratik Gulave, Shivam Dumbare, Siddhant Kadam, Sarang Suryawanshi

The paper addresses the method of the organizing information in advance education. On the basis of a comprehensive investigation and analysis on the learning resource management in advance education, we demonstrate models of the college students' information organization by adopting the advanced information technology, and construct the learning resource management information platform. In addition, we examine the attributes of the information management in advanced education, and elaborate the methods to solve the hardships confronting in the students management of the advanced education. The key manner and technology to conduct the resource management platform are presented.

Android-based Attendance Management System. Authors : Siti Aisah Mohd Noor, Norliza Zaini, Mohd Fuad Abdul Latip, Nabilah Hamzah

In this paper a method of taking presenti by employing an application running on the Android platform is proposed in this paper. This application, once installed can be used to download the students list from a web server. Based on the downloaded list of students, the device will then act like a scanner, to scan each of the student cards one by one to confirm and authenticate the students presence. The camera will be used as a sensor that will read the barcode printed on the students ID cards. The updated attendance list is then uploaded to database and can also be saved as a file to be transferred to a PC afterward. This system will help to eliminate the current problems and promote a paperless environment at the same time. Since this application can be deployed on lecturers own presented Android devices, no additional hardware cost is necessary.

The Design of Student Information Management System Based on B/S Architecture Authors : JinMei-shan, QiuChang-li , LiJing

This paper makes use of the B/S arrangement to devise the student information management system, and

describes the system design standard, system plan and structure, the task module of information system according to current university student information management needs. It makes available an interactive students management platform for the information of a large number of students and the organization of students.

Research and Implementation of Web Services in Android Network Communication Framework Volley

Authors : Yang Shulin ,Hu Jieping.

This paper consists of grouping of Web Services and mobile devices will encourage the advancing of mobile applications. Volley framework. Google 2013 has proposed the advantages of fitting use and network request to be rapid, but it does not support Web Services. Expansion of Volley, to support the Web Services, which can assist the Web Services application development, but also can enhance the access performance of Web Services. On basis of investigation and exploring of the Volley, Ksoap2 and Java Web Services ,through the execution of the Http Stack interface and the extension of JSON Object Request to realize support for Web Services. The scheme uses JSON format to relocate data, support SSL/TLS protocol requests, custom parameter ,sets or gets the request header. This scheme is superior compatibility, easy to use, appropriate for purpose on Android platform.

III. PROCESS MODELING

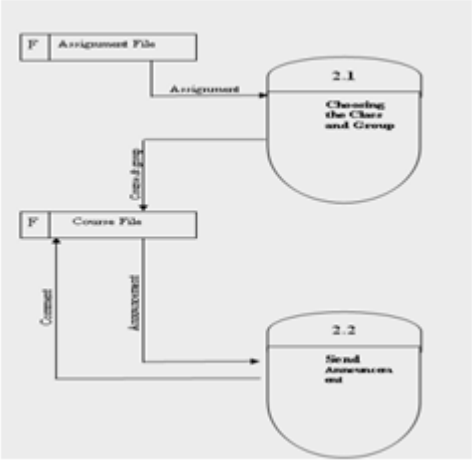
Process modeling is usually used in controlled analysis and design methods. It is called a data flow diagram (DFD). This process explodes to a lower level DFD that divides the system into smaller parts and balances information flow between, both the parent and the child diagrams. Multiple diagram levels may be needed to put across a complex system . This element will present the process modeling (Context Diagram).

Level-0 (DFD)

The level-0 (DFD) diagram shows the main serviceable areas of the system under investigation. As with the context diagram, any system under investigation should be presented by only a single level-0 (DFD) diagram. Figure 3 helps visualize the DFD diagram .There are three dissimilar processes, which offer a realistic way to begin the analysis. These are uploading the task assigned, sending task to the student and offer the assignment.

Level-1 DFD

Level-1 (DFD) diagram shows another important functional areas of the system under investigation. As with the



level-1 (DFD) .

There is no formula that can be useful in deciding what is, and what is not. Level-1 (DFD) process describes only the main serviceable areas of the system, and the temptation of including lower level processes must be avoided on this diagram .

Client Functionality	
Client	Function
Lecturer	• Upload coursework. • Assess student task. • Recognize student that failed to submit the coursework.
Student	• View new assignment. • Upload assignment answer. • View assignment result.
Admin	• Inspect all

A. Upload the coursework description:

- Description: This function allows the lecturer to upload the task.
- Precondition: The lecturer must effectively logon to the system

Test scenario	Expected output
The lecturer choose "take an assignment" function from main menu interface.	The systems will display coursework page that allow the lecturer to upload assignment.
The lecturer selects, clusters the course and assignments to be uploaded	
The lecturer press the "attachment" button.	The system will effectively save all data in the database and revisit to main menu interface.

B. Assess student coursework description:

- Description: This function allows the lecturer to evaluate student task.

C. Precondition: The lecturer must successfully logon to the system.

D. Recognize the students that fail to answer the assignments

- Description: This function allows the lecturer to identify the student those don't answer the assignment.
- Precondition: The lecturer must successfully logon to the system.

Test scenario	Expected output
The lecturer select "give mark function" from main menu interface.	The systems will present given score page that allow the lecturer to store the assessment result.
The lecturer selects the coursework number to be assessed and enters the marks.	
The lecturer presses "save" button.	The system will successfully save assessment result in the database.

IV. CONCLUSION

The system offers reliability, avoids time wasting and provides easy control. Students will also view results, using this application. Also students can view information, notifications anywhere and anytime. The application will help make it less complicated and speed up the result preparation and management process. It provides security and a system that reduces the work and resources necessary in traditional process. The proposed system provides the new way of computing and displaying an operations with quick to respond and attractive user- interface. Thus, on the basis of survey and by analyzing the existing system, we have come to a conclusion that the propose system will not only help the automation to the college ,but will also help to digitize the system and in turn help to deploy resources efficiently.

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