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E-Dairy Application

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Abstract:Diaries play a critical role in the management of work schedules in societies and working environments. The result of their use is proper decision-making and time-management. This research project focused on the development of an e-Diary Service system for Admin, parents and Teacher The development of the e-diary was aimed at addressing the problems encountered in the use of hard copy diaries for the management of work schedules. It has always been a problem using a hard-copy diary for managing work schedules because of the irregularities and inconsistencies associated with its use. These include among others the misplacement or loss of recorded information and failure to meet set targets and attend to some important scheduled events due to lack of a reminder-alert in a hard copy diary. The system was thus developed to provide a suitable solution to these irregularities and help its users to manage their work schedules in an easy, fast, safe and cost-effective manner. Its functions include among many others the ability to allow users to record, update, and view and delete their work schedules while also facilitating for the important functionality of sending reminders to users with regards to their work schedules via electronic mail or Short Message Service. In the present study, we used a quantitative diary design to investigate within-person fluctuations in student engagement and performance. Specifically, we analyzed the impact of weekly personal and study resources on weekly student engagement, active learning behaviors, and performance. In addition, we investigated whether students high (vs. low) in trait Openness reacted differently to their weekly resources. During the days they had tutorial group meetings. The tutors evaluated each student's active learning behaviors during these meetings. Results of exams showed that study engagement fully mediated the relationship between personal In addition, observed to the course grade. And study engagement. Our findings highlight the importance of E-diaryApp. We conclude with a discussion of the theoretical implications for education and suggestions for future research.

I. I INTRODUCTION

Information technologies will offer new ways to communicate, collaborate and participate in learning processes .Project monitoring is a significant part of project management These systems have the potential to give direct access to users and allow them to utilize all services available. Amongst the services that can be offered by computerized systems are e-Services. These are becoming increasingly popular in the management of public organizations including institutions of tertiary learning and their stimulus on these organizations cannot be ignored. We note that e-Services in public organizations have a potential of competing with e-Services in the private sector in a great way. However, there are many barriers that block the increase of e-Service provisioning in the public sector. The main premeditated barriers include lack of ICT skills and knowledge, low-standard training and insufficient support, lack of reliability of "Government-to-Government" interaction via the Internet, resistance to e-Service development projects and lack of top management support. Consequently, there is a primary focus on the study of e-Services especially the services of a diary in order to penetrate through these barriers and avail these very important services to the public sector. The other major concern with a hard copy diary is the amount of effort required from the owner in order to maintain it. A diary entails a lot of paperwork; therefore its owner should understand the important and diligent effort needed to maintain it. Diaries become useless if their owners do not consistently open them and update their schedules almost on daily basis. The e-Diary Service however allows for the automation of administrative processes, cuts down the use of paper documents, optimizes work time and implies an overall turning point in terms of efficiency in managing and adhering to tasks. The e-Diary Service includes a different set of tools each implying a different level of integration of the stakeholders interest.

II. II EXISTING SYSTEM

a. Existing system is based on manual system.In manual we need to update daily routine (homework/event) for each student.Most of the communication is depends on hard copies.Time consuming to write the dairy(daily activities) or note to each student by the teacher in kinder garden and lower primary classes.

III PROPOSED SYSTEM

The referred methods by formulating and implementing a simplified and cost effective model of proposed mobile based solution to the e-diary system classical and/or manual method of managing student teacher attendance problem in higher institutions in developing

countries . the general overview of the proposed system, Section details design considerations of the system, both at the hardware and software level, discusses the operation and how the system was test edit conformity to system design and function l objectives. Identified gaps and make recommendations for future improvement number of related works exist in Teacher onapplication of different electronic.In an automatic attendance system using e-diary system technique was proposed. The e-diary system technique verification was achieved using extraction of e-diary system is handled by three one is the admin and the second one is the teacher will coordinates with parents according to their children marks and attendance and this data will handled by admin through e-diary app . The proposed automatic attendance system signals either true or false based on logical result of previous one to one verification of person's authenticity. Authors is also reviewed and proposed biometric system using attendance automation of proposed student tracking system to simplify and speed up the process of student wolf pack club ticket distribution for athletic event. Similar solution was proffered for tracking and counting students in during Eastern Mediterranean University seminars using barcodes and readers. Also, authors in proposed the use of electronic finger print scanner to solve students lecture attendance monitoring.This is fully based on the android technology by e-diary app system.

3.1 SEQUENCE DIAGRAM OF THE SYSTEM

A sequence diagram in Unified Modeling Language (UML) is a kind of interaction diagram that shows how processes operate with one another and in what order. It is a construct of a Message Sequence Chart.The sequence diagram fig 3.1 as shown below

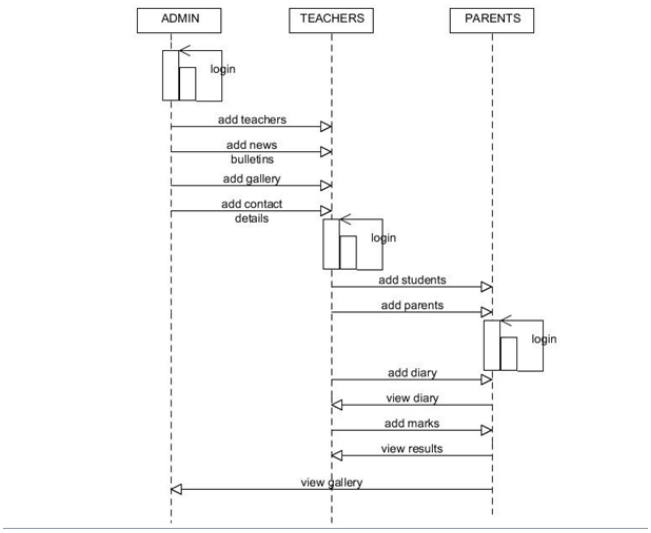


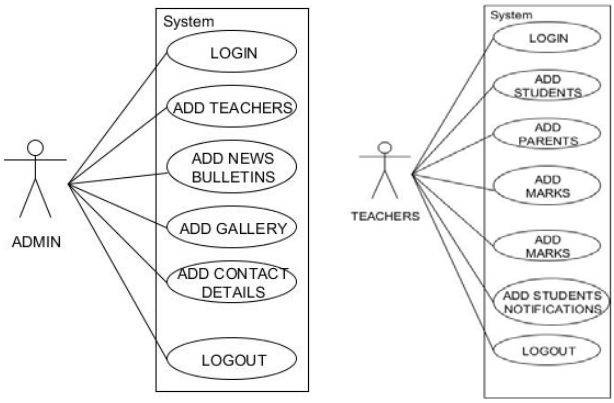
Fig 3.1 Sequencediagram of the system

3.2 SYSTEM DEVELOPMENT METHODOLOGY

System development method is a process through which a product will get completed or a product gets rid from any problem. Software development process is described as a number of phases, procedures and steps that gives the complete software. It follows series of steps which is used for product progress. The development method followed in this project is waterfall model.

3.3 USE CASE DIAGRAM OF THE SYSTEM

A use case diagram is a type of behavioral diagram created from a use-case analysis. Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals (represented as use case).



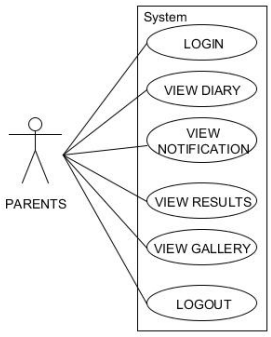


Fig 3.2 Use case diagram of the admin, parents and teachers.

3.4 SYSTEM ARCHITECTURE

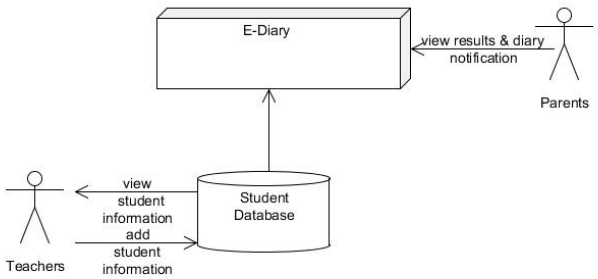


Fig 3.3 System architecture

In admin's block we will be having options as follows, add school teachers, add subjects with respective to the class, add subjects, school gallery, bulletins news of school, contact details, notifications. In the option "Add school teachers"we can able to add up teachers from 1 to n numbers. In "Add subjects" admin can add up subjects to respective classes, in the "School Gallery" admin can upload the images, photographs of the school (school event photographs) which will be visible to all parents over the android application. Bulletin, here admin will add up the school breaking news or upcoming events (competitions). Contact details, where school contacts information will be available also admin can edit and update the contact information of the school. Admin can send a notification which can be visible to the parents the application. The contact details will be done through webpage of E-dairy.For each and every teacher the school teacher's email id as well as password will be provided which is provided by the admin (adding the teacher's information will be done by admin) using those respective school teacher's email id and password teachers can log in to teachers module. After log in teacher will add up the respective class student's information by name, email id, password, mobile number and alternatively using the primary key value the respective parent's information will be added accordingly. Teacher can send the notification to particular parents of their students as well as teacher will update a dairy with daily activities to a particular class respectively. In chat zone, teacher can interact and communicate with parents. "Add attendance" here teacher will update the attendance regularly so that which can be viewed by particular parents of their children and it will be stored in the database. Similarly marks be added and which can be viewed only to respective parents.

The parent's role is to view the school dairy. Daily activities will be updated by the teachers.School gallery (photographs of any events of the school) can be viewed which will be updated by the school admin. Parents can view their child's marks as well asthe attendance and the total percentage of the attendance. In chat zone parents can communicate with the respective teachers of specific classes. and also they can get reply from a teacher. Respective notification which is sent by teacher to a specific student can be viewed by respective parents as well as they also can view the notification of the school which will be sent by admin.They can view results and notification of the children through android.

III. IV REQUIREMENT SPECIFICATION

4.1 Software requirement

Operating System : Windows
Database : SQL lite
IDE : Android studio
Technologies : Android programming, Java and XML.

4.2 Hardware requirement

RAM: 2GB or More
Hard disk : 40GB or More
Android Phone

IV. FLOW CHART

A flowchart is a type of diagram that represents an algorithm, workflow or process, showing the steps as boxes of various kinds, and their order by connecting them This diagrammatic representation illustrates a solution model to a given problem. Flowcharts are used in analyzing, designing, documenting or managing a process or program in various fields.

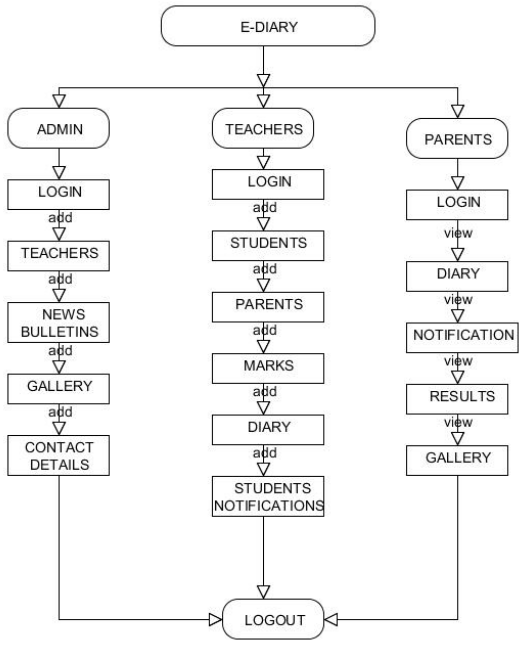


Fig: 5.1 Flow chart of the E-Dairy application.

V. CONCLUSION

Communication between the parent's teacher's will be much easier than the current system.Parents can view the performance of their children regarding academics.Regular updates of the attendance and marks.Teacher can send the notification to particular parents.This research project has resulted in the development of an e-Diary Service system that is meant for use by UFH employees and students. This is after it was identified that they make use of hard copy diaries to manage their day-to-day work schedules which is unreliable due to some irregularities which may include misplacement or loss of data. Also, physically diarized information may be forgotten due to the absence of a reminder. This system was developed using the WAMP technology and client-side scripting .i.e. JavaScript. Furthermore, in terms of security, this system provides an interface to authenticate users before providing access to them. It also ensures extra authentication by sending notificationemail messages to users upon registration. In order to successfully develop the system, tools such as Mail, Server, Macromedia Dreamweaver r8 and Heidi SQL were utilized in addition to WAMP. The goals of this research project were to develop a system that is easy to learn to use and also allows users to manage their work schedules in a timely manner. This means that the system was expected to remind users about their work schedules via e-mail or SMS. In addressing these research objectives, the research project developed a system that allows users to record, view, and update and delete their work schedules. Additionally, it reminds users about their work schedules via email messages. During the process of developing the e-Diary Service, some problems were encountered. This research project has managed to address most of the research objectives and overcame most of the challenges encountered in the development process of the e-Diary Service. However, due to time constraints given that this research project was conducted in only a single annum, some functions could not be performed or incorporated into the system. Future work to this project would be directed towards enhancing the SMS reminder service and the migration of the e-Diary Service into a mobile platform

VI. FUTURE SCOPES

Implementation ofthe D-Book can be done for complete details of the notes and video calling option instead of parent's teachers meeting.Online transaction should be implemented. Many people take the view that the learning process should never stop, so lifelong learning programs will continue to play important role. Modern information and communication technologies integrated in e-Government services can respond more effectively to educational needs of users. Conceptual model of lifelong learning, proposed in this paper and electronic diary designed to apply the approach for education support could be implemented at the root of administrative services via the Internet, provided by national e-Government portal. For this purpose additional work should be done bearing in mind that lifelong learning program can be realized successfully only if it is based on a comprehensive strategic concept. Sustainability, security and data protection are of fundamental importance.

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