



Developing M-Learning Application in Intranet

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Abstract— *In M- Learning, end users have to access in different e-learning platforms to gain the Knowledge. M-learning platforms implement security system to handle the authentication and authorization processes. As the number of M-learning platform grows, the users have to memorize the number of user ID's and password for the growth as well. This project is about explaining M-learning concepts, techniques, components and its need have high level of interoperability between each other running on different operating systems. An outline of various aspects of design and implementation of mobile-based authentication system for M-learning platform is presented in this project. E-learning has the ability to give the freedom for the students to learn when and where they want, and at their own place. The main objective of this project is to download data to students using intranet with the help of mobile application. Through this Mobile application, students can easily and fast accessing the data what they need.*

Keywords— *M-learning, authentication, mobile application.*

I. INTRODUCTION

M-learning platforms are heterogeneous environments where you can find different web enabled applications have high level of interoperability between each other running on different operating systems. M-Learning can be defined as the learning strategy where learning process is conducted, delivered and managed using electronic media. M-learning is basically the mobile and network-enabled transfer of skills and knowledge. It includes the mobile applications and processes applied to teaching and learning. M-learning applications may include mobile-based learning, virtual classrooms, and digital collaboration. Application logic accessible to programs via standard web protocols in a platform-independent. It can help in implementing a solution that can handle the three mentioned challenges.

Users need to be authenticated to the application server. Added to that that it cannot be used for internet single sign-on environment, where plug-ins is not allowed. The project discusses the M-learning context—the definition, characteristic, development, growth, benefit and the challenges—all of which consider security in M-learning as a new challenge in implementing the M-learning environment.

It's scalable, efficient and fast accessing. M-Learning gives you the ability to quickly create and communicate new policies and training. Its offers the ability to achieve high levels of coverage amongst your target audience and ensure that the message communicated is consistent. This means all learns get the same training. If you use a Learning Management System, tracking learner progress is a breeze and reporting on activity is a button press away.

Its flexibility and finding hard to reach people. M-learning can give students the freedom to learn when and where they want, and at their own place. At a time when change is faster than ever a key advantage of M-learning is that it has faster delivery cycle times than traditional classroom-based instruction. There is a practical limitation on how fast learning can be rolled out with classroom-based instruction, as the capacity to deliver learning is limited by the number of available classrooms and trainers.

Scalable – M-learning enables us to quickly create and communicate new policies, training, ideas, and concepts. Be it for entertainment or formal education.

Capacity and Consistency – Using M-learning allows educators to achieve a great degree of coverage for their target audience, and it ensures that the message is communicated in a consistent fashion. This results in all learners receiving the same training.

Time and Money Savings – This one is pretty well known, and a staple of any well-done. M -learning program. M-learning reduces time away from the workplace, eliminates the need for travel, and removes the need for classroom-based training.

PROBLEM DEFINITION

- Information on Web is presented on Web pages, which appear as a collection of text, graphics, and pictures. In addition, a Web page can contain hyperlinks to other Web pages.
- The Web's success is due to the simplicity with which it allows users to provide, use and refer to information distributed geographically around the world.
- It has connected with the system only on online basis.

II. PROPOSED SYSTEM

- Using intranet, mobile learning is created as an application in an android based mobile devices.
- This application will require user id.
- Data transfer is made using intranet, so it is possible only within a particular area.
- Huge data can be transferred, it allows us to transfer entire amount of data.

III. ARCHITECTURE

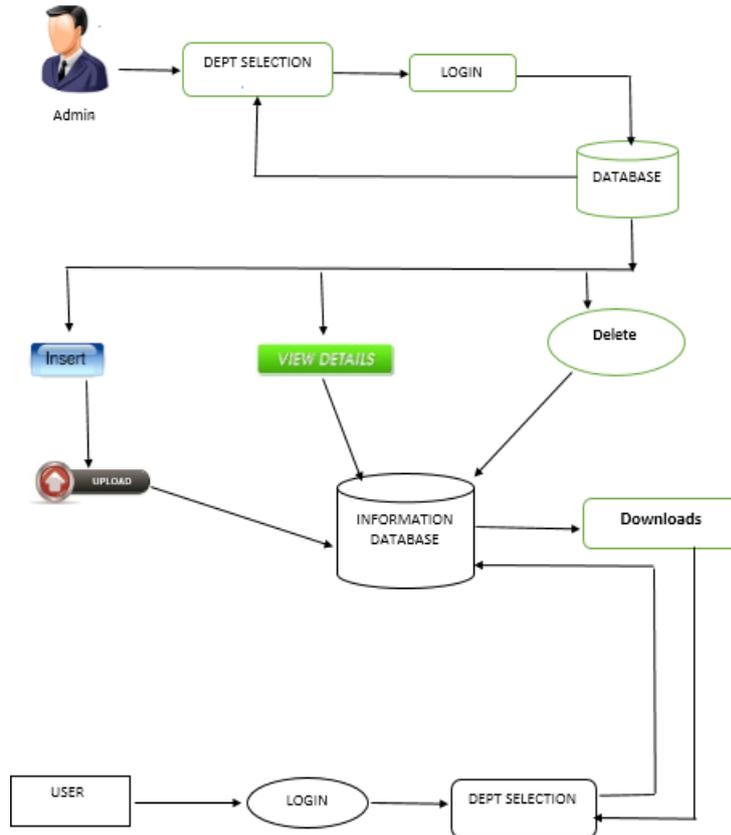


Fig.1 Architecture

IV. MODULE DESCRIPTION

Main page contains the user and admin to access their process separately. It also contains the place for new user registration, user and administrator login modules.

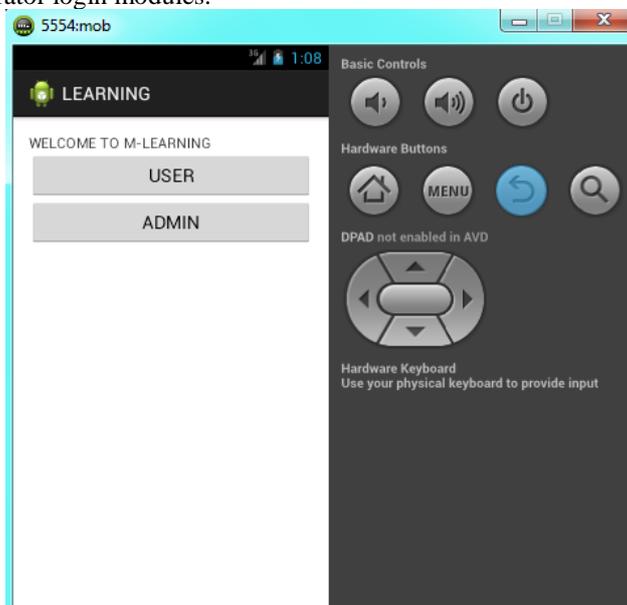


Fig. 2 Main page

ADMIN module contains sub modules which holds the information's. Guidance lines for students to develop their knowledge through here. It contains many types of materials to improve their skills..

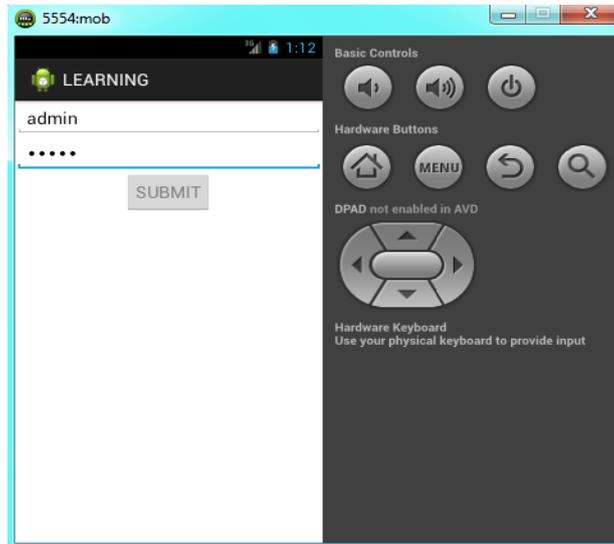


Fig. 3 Admin login page

ADMIN module contains many operations to find their information. To view their details and search and update the database. And upload the material the material by the admin.

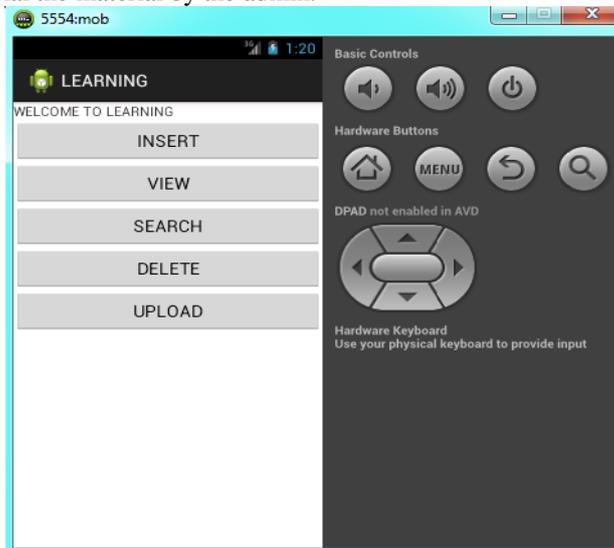


Fig. 4 Operation module of admin

Update is used to change the information in the data base. The uploaded information may be altered due to its edition and other information. Sometime the material id and name may be unique. So the update operation is included in admin module. Upload operation is based on the material id.

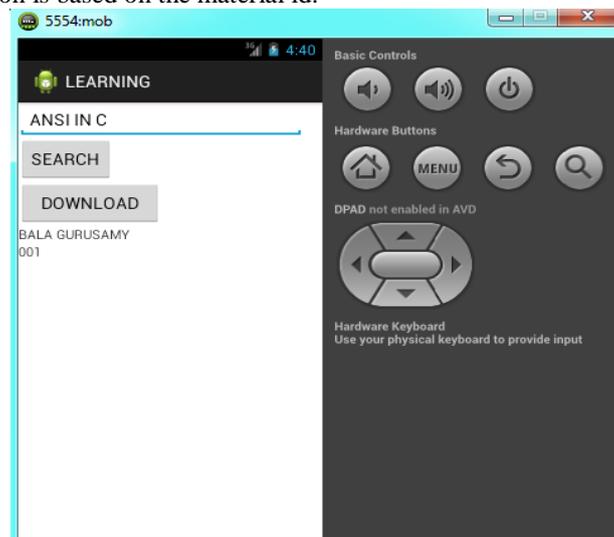


Fig.5 search module in admin

Search option is used to view the material details using particular id, which enable the material details in a particular view format.

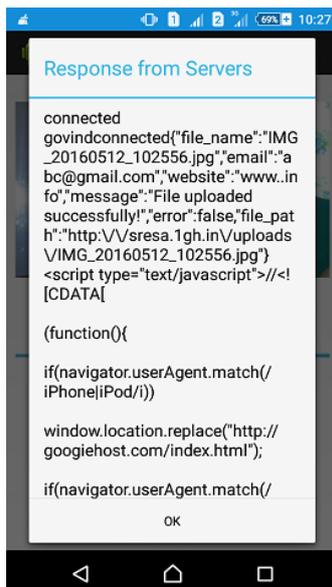


Fig. 5 Upload a file

Admin can upload the file that is required by the user. The information in a database is access able by the user and the admin. The upload module have the information about the file and its author name, material name, book id. Which reduce the work load to search the particular book details. The file upload is another important work in upload module. Admin only can upload the material and its information. The information can be modified and deleted by admin itself only.

V. CONCLUSION

Information technology is developed at a rapid pace and it forces a change in the structure and dynamics of the information society. In the present age of information highway, e-learning opens a new hope and aspiration in LIS education, services and Professions. Library services are essential components of the quality online learning environment. The development of these new services and activities are often associated with changes in the organizational structure of the library, ICT and expansion of the information service to include educational development and training. Library professionals have to accept the challenges that they face in the new millennium.

Last but not the least, I would like to say this application is so good and user-friendly which can give us a simplest way to learn and check your IQ in College. Interaction over a network with experts is very good here. In my opinion, this application can provide best learning stuff in future and also material which is best suited for everyone and everywhere.

VI. FUTURE WORK

ICT and e-learning offers opportunity to raise educational standards in collage Large range of ICT tools are available for teaching and learning and Closes the gap of “Digital Divide” Involvement of faculty and parents is important collage will need funding, access and training.

Communication with students and parents, Support by audio, chat and whiteboard, sharing of applications can be recorded and later be used for on demand lectures, tracking students, administrative features, Integration with various tools such as chat, forum, e-mail, etc. Reporting, Demo of Multimedia Learning System (MMLS).

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