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# Membership-Based Access Control Portal

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**ABSTRACT:** Get to control may be a security method that directs who or what (i.e., subject) can perform which activity on assets. There are a assortment of get to control instruments that are utilized for distinctive purposes Living in modern world and not utilizing digitalization not distant better a much better a higher a stronger an improved a distant better way, utilizing present day innovation and web for decreasing work and expanding productivity could be a way to computerized nation and utilizing innovation makes a difference in having a keen work prepare so to actualize this in anyplace a Web Entrance is planned to execute digitalization and diminishing work of like college illustration Online course go to Course time to time caused by human blunder and wastage of time doing all prepare physically.

## I. INTRODUCTION

A Website may be a collection of web pages, hence an entry could be a collection of joins to diverse websites. The understudy entry may be a door to associate numerous web applications which is useful for doing understudy exercises. The entry web page gives get to numerous applications such as online courses and links to distinctive websites. Online understudy entrance may be a web application which is valuable for learners to select right data. OSP works like, at first the one who must get to as it were after his or her enlistment to the application. The participation is as it were given by the admin after checking the rightness of data given by the client. This application can be actualized in a indicated organization or with a worldwide get to. Only the individuals can make utilize of administrations given in OSP. Hence a visitor client can as it were see the domestic page of the internet application. After the fruitful enlistment the client can make utilize of the administrations easily.

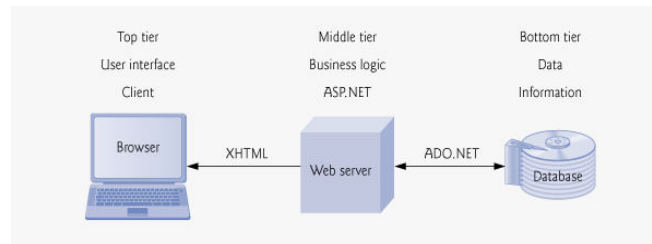
**What are Portals?** At the foremost fundamental level, entries assemble an assortment of valuable data assets into a single, “one-stop” Web page, making a difference the client to dodge being overpowered by “info glut” or feeling misplaced on the Net. But since no two individuals have the same interface, entrances permit clients to customize their data sources by selecting and seeing as it were the data they discover by and by valuable. A few entrances moreover let you personalize your entry by counting private information .Put essentially, an institution’s entrance is planned to form an individual’s Web encounter more effective and in this manner make the institution as an entirety more beneficial and responsive. But entries have a financial and social affect that amplifies distant past any basic functional definition. Eighty nine percent of the assessed fifty eight million individuals utilizing the Net within the Joined together States utilize a few sort of portal. It is assessed that over 20 percent of the Internet’s retail e-commerce is portal-based. And in spite of the fact that port is evaluated that over 20 percent of the Internet’s retail e-commerce is portal-based. And in spite of the fact that entries have verifiably been created from search-engine-based destinations e.g., Yahoo, Energize, Lycos, Alta Vista or ISP-based locales e.g., AOL, EarthLink, Wonder, their esteem goes distant past a Web page containing a registry of URLs. One creator depicted a entry as a put to begin your day and get a small news. It is an epicenter of the Net encounter, a “home base,” a place to return to after you get misplaced, a put to keep your data, a put from which to communicate with others, and a trusty direct to all things ‘Web

## II. MULT-ITIERAPPLICATION ARCHITECTURE

Web-based applications are multitier applications Multitier applications divide functionality into separate tiers (i.e., logical groupings of functionality). Although tiers can be located on the same computer, the tiers of Web-based

applications typically reside on separate computers. Figure presents the basic structure of a three-tier Web-based application.

The information tier maintains data pertaining to the application. This tier typically stores data in a relational database management system (RDBMS).



**Figure 1. Multi-Tier Application Architecture**

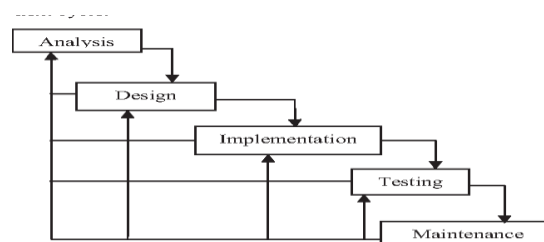
The middle tier implements business logic, controller logic and presentation logic to control interactions between the application's clients and the application's data.. The middle-tier controller logic processes client requests and retrieves data from the database. The middle-tier presentation logic then processes data from the information tier and presents the content to the client.

The client tier, or top tier, is the application's user interface, which gathers input and displays output. Users interact directly with the application through the user interface. In response to user actions the client tier interacts with the middle tier to make requests and to retrieve data from the information tier. The client tier then displays data retrieved from the middle tier to the user.

### III. ITERATIVE DEVELOPMENT MODEL

An alternative approach is the Iterative Development Life Cycle referred as Spiral model With the Iterative Life Cycle, analysis is done just the same as with the Waterfall method. However, once analysis is done, each requirement is prioritized as follows:

- High - These are mission critical requirements that absolutely have to be done in the first release.
- Medium - These are requirements that are important but can be worked around until implemented.
- Low - These are requirements that are nice-to-have but not critical to the operation of the software.



**Figure 2. Iterative Waterfall Development Model**

**Below are the advantages of the Iterative Life Cycle:**

- The Design phase goes much faster, as designs are only done on the items in the current release
- Coding and Testing go much faster because there are less items to code and test. If major design flaws are found, re-work is much faster since the functional areas have been greatly reduced.
- The client gets into production in less than 3 months, allowing them to begin earning revenue or reducing expenses quicker with their product.
- If market conditions change for the client, changes can be incorporated in the next iterative release, allowing the software to be much more nimble.

- As the software is implemented, the client can make recommendations for the next iteration due to experiences learned in the past iteration.

#### IV. PROBLEM DEFINATION

To develop a web based Online Registration Portal that as a solution to the problems of the students registration currently in the Situation. The purpose of this study is aimed to solve the following problems.

1. The registration problem due to some manual means of operations which easily lead to misplacement or loss of student information.
2. The manual preassessment of student registration system is very slow and consumes a lot of time which causes the delay in completing the entire enrolment process.
3. Consume time and human effort due to long queue in the process of paying money in the bank and registration processes.
4. Due to manual means of generating report, such report can easily be misplaced or loss.

#### V. RESEARCH ANALYSIS

This paper is an online portal between students, parents and faculty. This innovative system allows college faculty to share important data as well as notifications with engineering/non-engineering students. It consists of a faculty login along with student login & parent login. Since college faculties operate through pc and document uploading is simpler through a pc, the faculty login is to be performed using a computer. Faculty may upload their documents of respected subject syllabus, timetable document, notifications, e-notes, attendance etc. through their assigned login. The documents are uploaded by faculties of department to different corresponding departments. We purpose to build this system on an online server that allows faculty to upload data & students may view search and download the required documents through their computer device. Here students only see and download data of their particular semester/year/class. Rest of data is hidden. Faculty may access and upload/edit documents to any semester/year/class or add any notice as their desired.

A study by JISC RSC (Regional Support Centre) London on behalf of the Excellence Gateway published in 2008 on Richmond Adult Community College: Using Technology to make a step in business efficiency and responsiveness, was to see how the college could use new technology on the business side first -the priority was to use new technologies to reduce transaction costs between the college and the public. What the study projects is to get prospectus online, webbased enrolment, web registration, timetabling module, online helpdesk and e payment. The outcomes of this project includes: Reliable electronic registration linking the student database to finance systems and modules for payroll and staff development - ensures accurate payments and strong financial control; Learners enjoy the convenience of online enrolment (course permitting) with 35% of enrolments now made on the Web; The simple web-based Quality Assurance System was an early action that greatly improved timeliness and efficiency of getting learner feedback from the previous paper-based process and; Co-development of many of these modules enabled them to obtain bespoke systems more cost-effectively as the software company were able to gain commercial advantage through the developments (JISC, 2008).

Matovu (2009) in a study titled, availability, accessibility and use of ICT in management of students' academic affairs in Makerere University finds that this emerged because of the problem that there was mismanagement of students' academic records despite the technological advancement that had advanced in the University. Such problems include loss of marks, miscalculation of marks to mention but a few. The study intends to establish how ICT affected management of students' academic affairs. It applied both correlation and cross sectional survey design. Data were collected using semi-structured survey questionnaires and interviews.

#### VI. EXIST ANALYSIS

Existing System like entering marks , attendance ,calculating percentage , giving notices , event calendar , providing exam routine and providing notes papers is done manually which consumes lots of time and man power

## VII. PROPOSED SYSTEM

To develop an online Membership based Access Control portal that can perform the below:

Without Registration/ Registration

Get Plan process

Online Course Registration processes

Online Exam registration processes

Provision of payment details

### BLOCK DIAGRAM

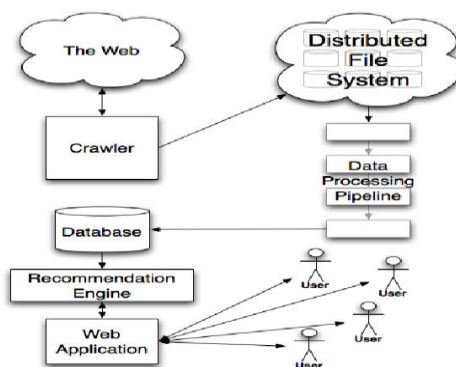


Figure 3. Block Diagram

### REQUIREMENT ANALYSIS

#### SOFTWARE REQUIREMENTS

- Operating System: All.
- Application Server: Xampp
- Web designing languages: HTML5, CSS3.
- Scripts: JavaScript
- Server side Script: PHP
- IDE: Net Beans
- Database: MySQL.
- Database Connectivity: PhpMyAdmin.
- Browsers support: IE9, Firefox, Chrome, and Opera

#### HARDWARE REQUIREMENTS

- Intel Core processor
- RAM 1 GB and Above
- HDD 10 GB Hard Disk Space and Above
- 64 or 32 bit OS Windows 8 and above

## DESIGN ANALYSIS

Data flow diagram:

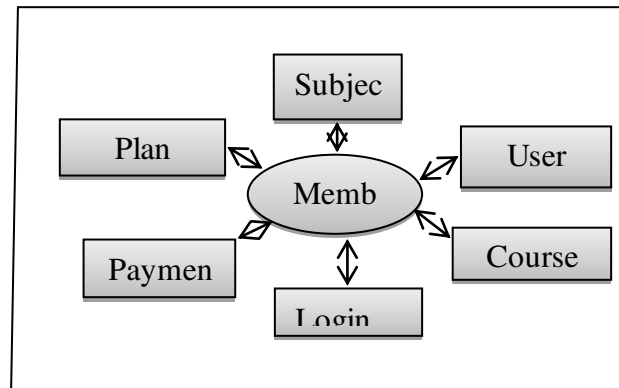


Figure4. Data Flow Diagram

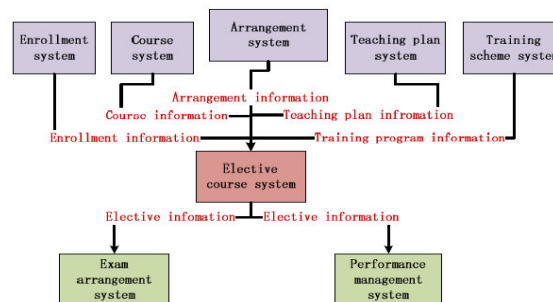


Figure 5: Activity Diagram

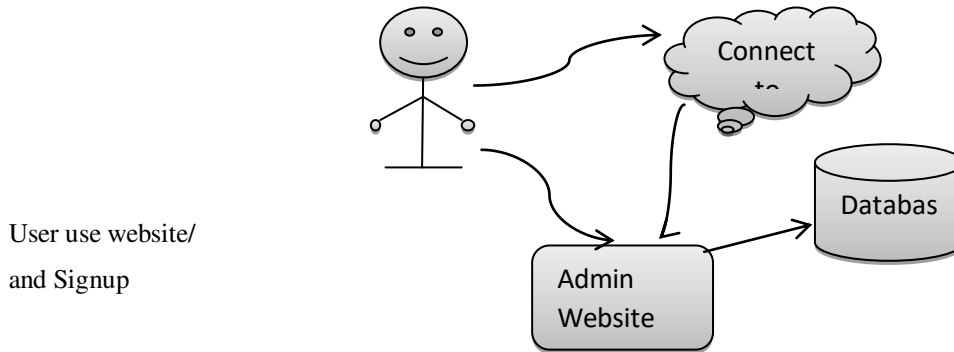
## WORKING ANALYSIS

Working of this project go to home page then in this system include two types of user. User use website with registration/signup& without registration/signup.

Without Signup user view minimum information and second user with signup user viewplan. User select plan this system include number of plan like basic, expert and pro.Depends on select plan display course number of days, number of course, and fees.

Then user completed payment process get plan. It provides a better database performance and reduces the network traffic.

The database runs a program in the server computer that takes over the tasks of manipulating the database files stored on the file server. Then, the client database program send requests to the database program to perform and manipulate for them.



**Figure 7: Working Diagram**

#### ADVANTAGS

- This project has a login page which allows to login only the registered user and thereby the unauthorized user are prevented to use the side and information in site .Login using the provided login ID and password through admin side.
- This system can also be used to display the entire syllabus, updates details to the user.
- This system Provide plan to user convenient
- Usage of this site will greatly reduce time.
- This system use any person anywhere

#### BENEFITS

- The fact that use of e-registration provides information in a real-time, electronic format that allows confirmation of students` enrollment status.
- User are also able to find and schedule more of the courses they need;
- It is used as confirmation of a student's registration.
- It simplifies the registration process through a Web-enabled, user-friendly wizard and digitizes all supporting documents using intuitive processes and tools.
- The education system requires a tremendous amount of data and documentation, and this e-registration solution allows institutions to focus less on processing paperwork and more on what matters most meeting the educational needs of their students by having a cost-efficient, secure registration process that allows for easy access to student files.
- Intranets and portals are supposed to provide an infrastructure through which end-users can gain effective access to information sources needed to assist in daily tasks such as effective decision making, planning.
- However, many institutions have just gone on board without any regard for infrastructural support, availability of internet access to students, user education, etc.



## VII. CONCLUSION

After Construct Entirety site we test it, testing method is given this extend ought to grant a few wanted yield. Anticipated Yields are as follow:- a) User Ought to Go to Homepage without login b) User Ought to login/Register c) User Ought to select plan d) User ought to Show arrange chosen data e) Payment Successfully. Membership based Get to control entrance venture incorporate number of course and buy number of client that course. This extend actualize like Netflix but Presently a day's colossal number of individuals buy online Course.

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