SRS Document:

- Purpose:

The Coaching Institute Management System is a website for coaching Institute. Here students can see what kind of courses institute is offering and register according to their interests. It is very convenient to Institute owner to monitor online admission process, track students count and organize batches accordingly.

- Scope:

This system allows the users to take admission in institute for particular course in which user is interested in and provided facility to give feedback about the respected trainer of the course. It will provide admin the facility to monitor the entire admission process, schedule and modify batches accordingly.

- Definitions:

CIMS: Coaching Institute Management System

SRS: Software Requirement Specification

GUI: Graphical User Interface

Portal: Personalized Website

Stakeholder: The person who will participate in the System and Owner of system

Ex. Students, Administrator

UML: Software Engineering Notation for visualizing System in the form diagrams

SSL: Secure Socket Layer used for providing restricted access to application.

RDBMS: Relational Database Management System.

CLUSTERS: Group of independent servers.

- Overview:

This System provides an easy solution for students to register for courses and admin to monitor admission process and organize batches.

- Additional Information:

The system work on internet server, so it will be operated by any end user for the registration purpose secure platform.

This system protects the integrity of the students who register.

- General Description:

The Coaching Institute Management System application helps to manage the admission process and organize batches.

The Coaching Institute Management System will use the internet as the sole method for admission of students.

- Functional Requirement:

This section provides requirement overview of the system. Various functional modules that can be implemented by

the system will be:

Description:

Registration if student wants to register for course paying registration fees.

After registration students can login to the system by entering valid user id and password and see entire details and give feedback at the ofthe course.

End User Can Browse courses, content of the course which institute is offering.

Payment for students UPI facility provided.

User logout after the payment done.

Content of the course is sent on students registered e-mail along with registration successful message.

Admin can monitor, organize, schedule batches.

The term client/server refers primarily to an architecture or logical division of responsibilities, the client is the application (also known as the front-end), and the server is the RDBMS (also known as the back-end).

A client/server system is a distributed system in which, some sites are client sites and others are server sites.

All the data resides at the server sites.

All applications execute at the client sites.

- Technical Issues:

This system will work on client-Server architecture. It will require an internet server.

The system should support some commonly used browser such as Chrome etc.

Interface Requirement Various interfaces could be:

1. Login Page

2. Registration form

There will be a screen displaying information about book that the shop having.

The students may select the different options which will be open in another screen as

1. Login Page

2. Registration Form

3. courses

4. courses details

5. Payment Gateways

6. Give feedback

The Admin may select the different options which will be open in another screen as

1. Login Page

2. schedule batches

3. add/delete batches

4. cancel admission

- Hardware Interface:

The System must run over the internet,

All the hardware shall require to connect to internet will be hardware interface for the system.

e.g. modem, WAN, LAN

Specialized Server Infrastructure Hardware

The system should use distributed servers i.e. cloud for managing large amount of data so as to make it appear as single unit for end-user.

The system should have proper clusters for backup.

- Software Interface:

The system is on server so it requires the any scripting language like JSP or PHP or ASP, ETC.

The system should be able to exchange data using XML, JASON or any advance technology.

The system requires Database also for the store the any transaction of the system like MySQL or oracle, or SQL server etc.

System also require DNS (Domain Name space) for the naming on the internet.

http://www.mybookstore.in

At the end-user need web browser for interact with the system.

- Performance Requirement:

There is no performance requirement in this system, because the server request and response to client is totally based on internet connection of end-user.

- Design Constrains:

This system should be developed using Standard Web Page Development Tool, which conforms GUI standards such like HTML, XML, JSON, etc.

The system should support various RDMS and Cloud Technologies.

- Non-Functional Requirements

1. Security:

SSL

The System use SSL (Secure Socket Layer) in all transactions that include any confidential customer information.

The system must automatically log out all customers after a period of inactivity.

The system should not leave any cookies on the customer's computer containing user's password.

The system's back-end servers shall only be accessible to authenticated administrators.

Sensitive data will be encrypted before being sent over insecure connections like internet.

The proper firewalls should be developed to avoid intrusions from the internal or external sources.

2. Reliability:

The system provides storage of all databases on redundant computers with automatic switchover.

The main pillar of reliability of the system is the backup of the database

which is continuously maintained and update to reflect the most recent changes.

3. Availability:

The system should be available at all times. Meaning the user can access it using web browser, only restricted by the down time of the server on which the system runs. In case of a of a hardware failure or database corruption, a replacement page will be shown.

Uptime: It mean 24 \* 7 availability

100%

99.9%

99.999%

99.9999%

4. Maintainability:

A commercial database is used for maintaining the database and application server takes care of the site.

The maintainability can be done efficiently.

5. Portability:

The application is HTML and scripting language based (JavaScript). So the end user part is fully portable and any system using any web browser should be able to use the features of the system, including any hardware platform that is available

or will be available in the future.

An end-user is used this system on an OS; either it is Windows or Linux.

The System shall run on PC, Laptops and PDA.etc.

The technology should be transferable to different environments easily.

6. Accessibility:

Only registered users should be allowed to process the orders after authentications.

Only GUI access of the system should be permitted to end users.

7. Policies:

The system should adhere to all the legal formalities of the particular countries.

The system should maintain security related to sensitive data.

8. Efficiency:

The system should provide good throughput and response to multiple users without burdening the system by using appropriate number of servers.

9. Safety:

Software should not harm ethical and environmental conditions of the end users machine.

10. Modularity:

The system should have user friendly interface.

It should be easily updated, modified and reused.

- Operational Scenario:

+ User Interaction

The User want to take admission, payment through UPI mode. Student will get confirmation message with course content delivery.

+ Admin Interaction:

Admin can monitor, organize, schedule batches, manage feedbacks, cancel admission, delete feedback.