

A magnifying glass with a black handle is positioned over a group of silhouettes of business professionals in suits. The magnifying glass is centered over the text, which is also centered over the silhouettes. The background is white with a large blue curved shape on the left side.

STAM Interactive
Learning Management System
Features and Specifications

STAM Interactive Learning Management System

Customized & Tailor made to Varied Needs

STAM Learning Management System

STAM Interactive offers a comprehensive Learning Management System solution to its clients to host and manage the eLearning content and courses. STAM LMS has rich functionality and allows the clients to directly manage the courseware and the users to ensure optimal usage of investment in e-learning content. STAM LMS can also be extended to the enterprise ecosystem and enable business partners, distributor, to leverage and benefit from the eLearning program of the company

Key Highlights

The following are some of the key highlights of STAM LMS

- Easy to administer without vendor support
- Competitively priced
- Comprehensive reporting functions, including ad hoc reports
- Student landing pages (look and feel) for a completely customized appearance
- Launching and tracking all types of training, including Instructor Led, eLearning, Webinars etc
- Multilingual Deployment

The STAM Learning Management System is developed in ASP with SQL-server as backend.

The LMS has two modules

User Module : The users are provided with a flexibility to register and access the courses from the course catalog

Admin Module : The Administrator has all privileges of Adding Updating/Modifying, Courses, and Users. The administrator will be able to track the users progress and completion of the tutorial and also will be able to generate course level and user level reports

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Functional Specifications of STAM LMS

The following table depicts the various functional specifications of the User Module of STAM LMS

| User Module | |
|-----------------|---|
| Features | Description |
| Change Password | User will be able to change his password |
| Update Profile | User will be able to update his profile information (Limited fields) |
| My Courses | User will be able to see the entire list of courses |
| Course Catalog | User will be able to see the entire list of courses |
| Support | User will be able to find solutions for some of the most commonly encountered issues such as Pop blockers, System requirements etc. |

The following table depicts the various functional specifications of the Admin Module of STAM LMS

| Admin Module | |
|-------------------|---|
| Features | Description |
| Change Password | Administrator will be able to change the password for the end user |
| User Operations | <p>Add User and assign courses</p> <ul style="list-style-type: none">• View and sort User based on User Id, First Name, Last Name, Company,• From Date and To Date• Delete User |
| Course Operations | <ul style="list-style-type: none">• Add Course• Modify Course• Delete Course• Course Catalog• Add / Modify / Delete Post Assessment questions• Add / Modify / Delete Module level quizzes |
| Report Generation | <p>The Administrator can generate reports based on the following criteria</p> <ul style="list-style-type: none">• User based reports (Registration, Completion, Certification)• From Date To Date• Usage reports (Time Elapsed, No of hits, Assessment and attempts ...etc)• Course specific reports |

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Detailed Description of Functional Specifications

| User Module | | |
|------------------------|---|--|
| User Actions | System Actions | Notes |
| User / Change Password | Interaction with the database, validation of current password, updating of the new password in the database | Change Password can be implemented for User as well as Admin |
| User / Update Profile | The current details are generated from the database based on the user id and the profile is updated with the new details | <ul style="list-style-type: none">• Applicable for both user as well as admin• Admin has an additional facility to update the user profile |
| User / My Courses | <ul style="list-style-type: none">• The database generates the list of courses from the user course enrolled table based on user id• The course tracking table will populate the list of complete topics against the course outline structure• The quiz table will generate the list of questions for a module with the help of which the user will be able to do a self assessment | The feature is applicable only for the user and Admin can check the users registered for specific courses. The admin will be able to track the user's progress on the training tutorial and the module level quizzes |
| User / Course Catalog | The available online courses are populated and the user can enroll based on the type of the course | Admin can assign course (s) to the user |
| User / Support | User will be able to find solutions for some of the most commonly encountered issues such as Pop blockers, System requirements etc | |

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| Administrator Module | | |
|---|---|--|
| User Actions | System Actions | Notes |
| Admin / Change Password | The current password (Admin / User) is fetched from the database and modified with the new password | Admin can change both the Admin as well as the user password depending on the requirement |
| Admin / Add user | Calls registration method which interacts with the database | Admin can add new users explicitly into the database |
| Admin / View User | <ul style="list-style-type: none">Admin can view the user details by providing input to any of the fields such as First Name, Last Name, Company, User Id which calls search operation method that interacts with the database and provides the users in the sorted orderAdmin can track the user progress on tutorial and quizzes | <ul style="list-style-type: none">Based on the various constraintsInput should contain only characters.Admin can check the various users registered during a particular period of time |
| Admin / Delete User | Admin has the privilege to delete user at any point of time | |
| Admin / Add Course | The Admin can add a new course which gets added to the database. The Course id is generated automatically | |
| Admin / Modify Course | Takes Course id as input and displays the course details from the database | The Admin can modify the course details by providing Course id as an input |
| Admin / Delete Course | Takes the course id as input and deletes the course by calling delete method. | The Admin can delete course which gets deleted from the database. The course id is provided as input |
| Admin / Add or Modify or Delete Post Assessment Questions | Admin selects the course The questions are inserted / modified / deleted | |

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| User Actions | System Actions | Notes |
|--|--|--|
| Admin / Add or Modify or Delete Module level quizzes | Admin selects the modules The quiz questions are inserted / modified / deleted | |
| Admin / Course Catalog | The available online courses are populated and the admin can assign based on the type of the course | |
| Admin / Report | The Logic interacts with the tables in the database. The database generates automated report based on the query. The reporting is in well formatted grid view. | Admin can view the user details based on the following criteria <ul style="list-style-type: none"> • Assessment report based on student test. • Assessment report based on course taken. • Assessment report based on number of hits. • Assessment report based on time spent. • Questions based report |

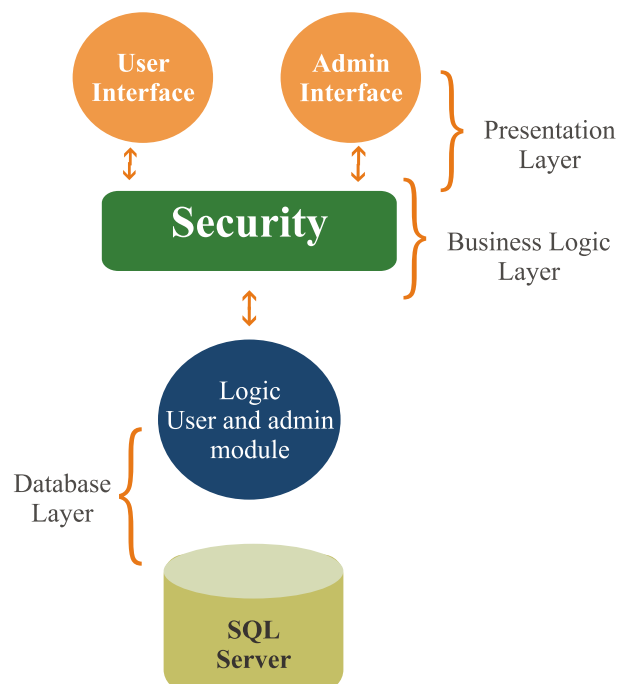
Technical Specifications of STAM LMS

Overview

The STAM LMS is developed using a 3-tier architecture.

The architecture is robust and any modifications made to one of the interfaces will not impact the other interfaces.

Diagram depicts the 3-tier architecture of the STAM LMS



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Hosting Environment



- Microsoft Visual Studio 2005
- SQL-Server 2005
- IIS Version 5.1(Internet Information Systems)Windows 2003 packages include support for Microsoft®,FrontPage®, MS SQL 2005, and all major development tools.

Development Tools



- Microsoft Visual Studio 2005
- Front End: Asp.Net 2.0
- Code Behind: C#
- Framework : Microsoft Frame Work Version 2.0
- Back End: SQL-Server 2000

Deployment Process



- Complete Source code will be delivered
- Implementation details will be with screen shots
- Step by Step detailed documentation on Configuration Settings will be provided
- Scripts will be given (SQL-SERVER Scripts) with Screen shot
- A detailed explanation on running the scripts will be provided

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Key Advantages of STAM LMS

The following are the key advantages of STAM LMS

| | |
|--------------------------------|---|
| Enhancement flexibility | <p>The Administrator will be able to add additional features to the existing system.</p> <p>For Ex: Crystal reporting feature can be added to the existing system without any technical hassles.</p> |
| Print certificate facility | <p>The user will be to print the certificate by himself after having crossed the benchmark of completion.</p> |
| Improved Security | <p>All data transfer happens in an encrypted format (https)to avoid SQL server injections. This ensures utmost security to the system.</p> |
| Efficient user tracking system | <p>The Administrator will be able to track all the details of the user such as Course, Progress and Performance.</p> |
| User Course Tracking System | <p>The Administrator will be able to track the following aspects</p> <ul style="list-style-type: none">• Number of Hits on each course• Time spent on each course |
| User Exam tracking System | <p>The Administrator will be able to generate the following reports</p> <ul style="list-style-type: none">• User Performance based report• Questions based report• General report which gives over all statistics of the user |

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STAM Interactive Solutions

16 Wright Place Princeton Junction, NJ 08550

Office: 609 750-9827

Toll Free: 1.888.834.STAM (7826) Ext. 1

Fax: 609 750-1936

Advanced Development Center

Bindu Enclave 6-3-903/8/C, Suryanagar Colony, Street No. 10,

Somajiguda, Hyderabad, India

Tel. No: 91 - 40 - 6557 6283