SILVER TOUCH®

Case Study

Web Conversation Portal For US Based Client

[WEB PORTAL – EDUCATION – JOOMLA, MOODLE, PHP 5.X, MYSQL]

Client Overview

About Client: Client was established in 2011 to provide individual and organizational leadership development consulting services. Client's main products are consultation and Coaching services and a forthcoming book. Client addresses leadership and management lessons for several maturity levels (First-Line Managers, Managers of Managers, Executive Leaders, and CXO Leaders).

Requirement Overview: Client wanted to build a web application with best LMS and CMS features. Client wanted to offer various services such as Courses, Events, and Discussions to the target audience -First-Line Managers, Managers of Managers, Executive Leaders, and CXO Leaders either on paid basis or as free service. Client wanted us to deliver the application as SaaS model exclusively for its LMS features.

Client required ad-hoc Content Management feature and an Administrator interface to manage the site users. Client also wanted to sell the related reference books through web site. All books are coded with QR and only registered users should be allowed to purchase. Site visitors who want to purchase these books will be redirected to the registration/login page to purchase the same.

Proposed Solution: After analyzing client requirements, we proposed solution with Joomla as a part of CMS and Moodle as LMS. Also implementation of JOOMDLE as a bridge between these two stands alone web application. We have represented all LMS contents and evaluations on Joomla CMS through JOOMDLE Bridge with user synchronizations as well. Forums, Newsletters, Testimonials, User Profiles and Mobile Layout are the key modules in Joomla CMS.

Following are the proposed solutions as per client's requirements:

- Provision to sell course reference books online
- Free or Paid registration process for Users
- User profile on both LMS as well as CMS sides
- Used LiteSpeed Server as hosting server
- Responsive layout for mobiles and tablets
- Custom development for assessment module

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CMMi Level 5 RATED

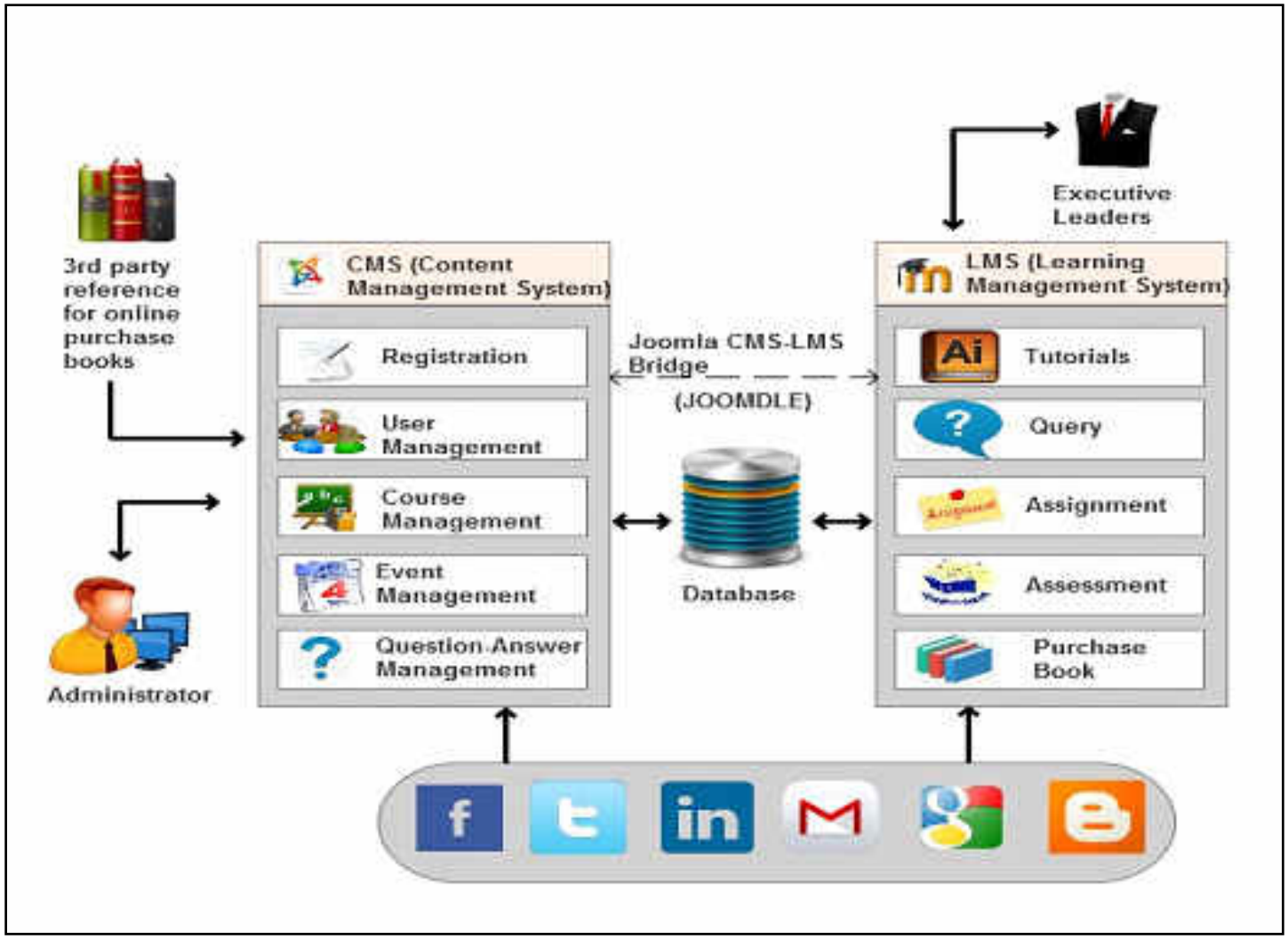
Web Conversation Portal

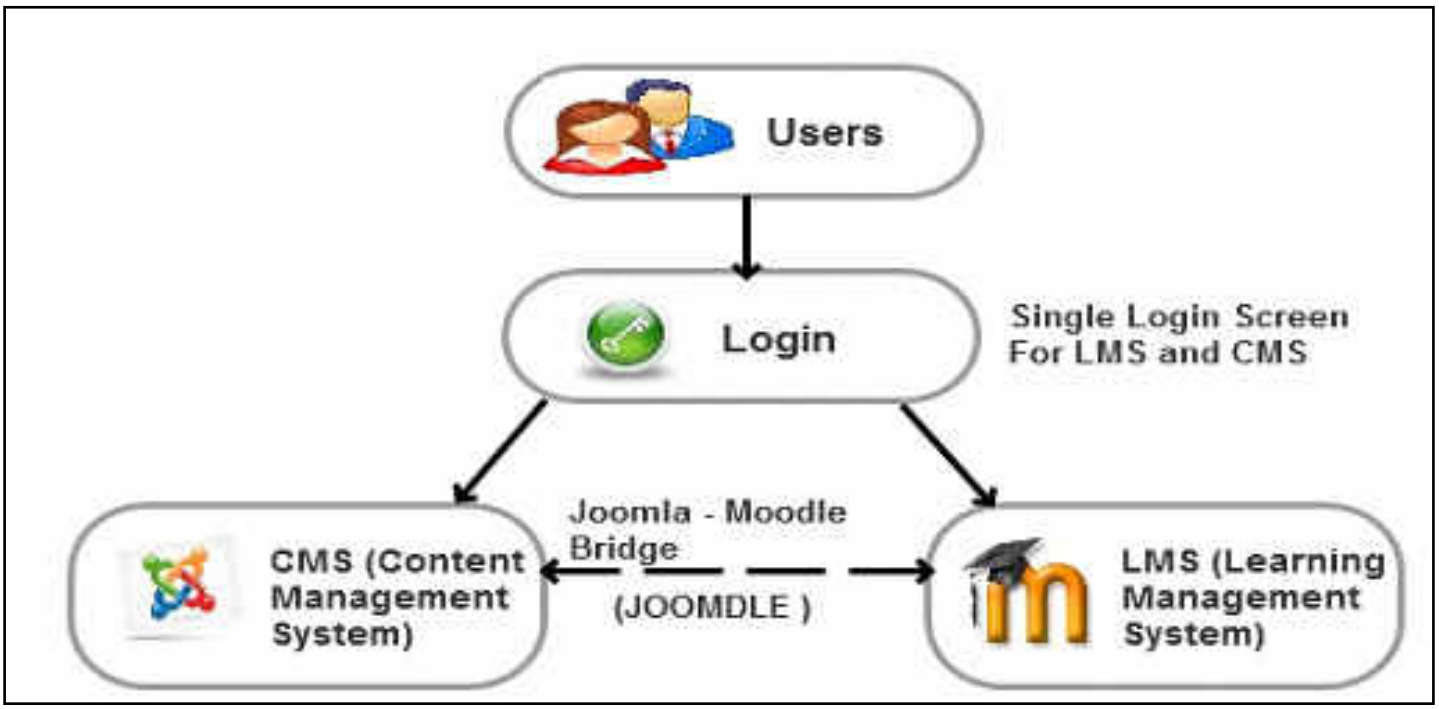
Benefits

1. Online tutorials for leaders and management professionals.
2. Expert knowledge sharing and personal assessments.
3. Single login for CMS and LMS.
4. Online purchase of knowledge base books.
5. Participate in online quizzes/question answer sections.
6. Connect to social networking sites like Facebook, Twitter, and LinkedIn.
7. Send emails, mark favorites and access sites like Gmail and Google, Blogger from this portal.

Project Description & Flow

Project Flow





Project Description

• Based on the requirement specifications & information provided by the client so far, it seems that the application involves developing a system that has complex CMS & LMS features & functionality.

• Front-end users can register, create their profile view & access the courses and take quiz, view and subscribe events, search & purchase products. Registered users can also upload documents; participate in discussion forum to ask questions and share thoughts, and even access contents.

List of Modules:-

1. User Registration:-

Users can register themselves using QR code on the book. After having QR code scanned, user will be redirected to Joomla CMS Registration Page. Using JOOMDLE [Joomla Moodle Bridge Module] Site Administrator can transfer register user to Moodle LMS environment where they can login with same credentials to access enrolled courses and its resources.

2. User Management:-

Administrator can create and manage the users from backend with roles and rights. Authenticated users can login and access both CMS and LMS.

3. Dynamic Content Management:-

All published content will be listed on frontend under respective menus. Site administrator can manage these content pages.

4. Banner Management:-

Administrator can manage advertisement banners as images or flash on intended pages from backend.

5. Question-Answer Management:-

Administrator will be able to manage question answers for users from backend module enables the users to check and compare their views and ideas for Management Leadership.

6. Events / Calendar Management:-

Administrator can manage various events from backend and these events will be displayed on frontend. Registered users will be able to view all upcoming events in Calendar layout Or Event Category layout wise with all details on frontend.

7. Course Management:-

The course page consists of central section which contain the tasks and (if desired) blocks to the side. The course teacher has control over the layout of the course homepage and can change it at any time. Students can be enrolled manually by the teacher, automatically by the administrator, or they enroll by themselves.

8. Grade Management:-

Modules will be implemented using default Moodle Grade Management module. The grader report collects items that have been graded from the various parts of Moodle that are assessed, and allows administrator to view and change as well as sort them out into categories and calculate totals in various ways.

9. Leadership Assessment Management:-

The Moodle Questionnaire module is a survey type of activity in Moodle course. It allows teachers / course administrator to create a wide range of questions to get student feedback e.g. on a course or activities.

10. Test Management:-

Administrator can manage quiz, lessons and assignments for users

A provision is given to allot QR code for each book and the administrator can manage this task. Books with QR codes can be purchased by the end users from site. Frontend users can register themselves using this QR code. Once this QR code is scanned, user will be redirected to the Joomla CMS registration page. Using JOOMDLE [Joomla Moodle Bridge Module] Site Administrator can transfer registered users to Moodle LMS environment where they can login using same credentials to access enrolled courses and its resources.

- Site administrator can manage the backend operations such as add, edit, update & delete. Site users can post their questions, attend quizzes, submit assignments and learn online as per their course curriculum.
- Application testing was performed on Client's server and after final approval the application was migrated to Live Server.

Objectives

1. To develop an interface of choice for the individuals and organizations who seek to guide high-potential managers into positions of increasing leadership responsibility throughout a career.
2. To develop a web portal that sets an example role model for future managers / leaders. Site is aimed for individuals and organizations.
3. To enable the management to sell books online and send a reference link to online book selling site.
4. To enable users to create their own profile and register using Joomla CMS and learn tutorials using LMS.
5. To manage single login for CMS and LMS.
6. Expert knowledge sharing through web site by professionals.

Web Conversation Portal

Project Approach / Activities

Phase I: Created POC for Client to test Joomla and Moodle LMS on Lite speed Web Server.

Phase II: Preparation of SRS document as per client's requirements.

Phase III: Completed layout design and integrated layout with Joomla CMS with new Responsive theme.

Phase IV: Integrated CMS and LMS into JOOMDLE.

Phase V: Performed Testing on Client's server.

Phase VI: Once testing is completed and approved by the client the application is hosted on live server.

Technology

Development Platform

Technology	Specifications
Technology & Framework	Joomla (ver. 2.5) & Moodle (ver. 2.2)
Database	MySQL
Web Server/Hosting Platform	Lite speed Web Server
Languages	PHP 5.x
Operating System	Windows 7

Deployment Platform

Technology	Specifications
Technology & Framework	Joomla (ver. 2.5) & Moodle (ver. 2.2)
Database	MySQL
Web Server/Hosting Platform	Lite speed Web Server
Languages	PHP 5.x
Operating System	Linux

Duration

1. Project Man Hours: 962 hours
2. Project Life cycle: 4 months

Key Challenges

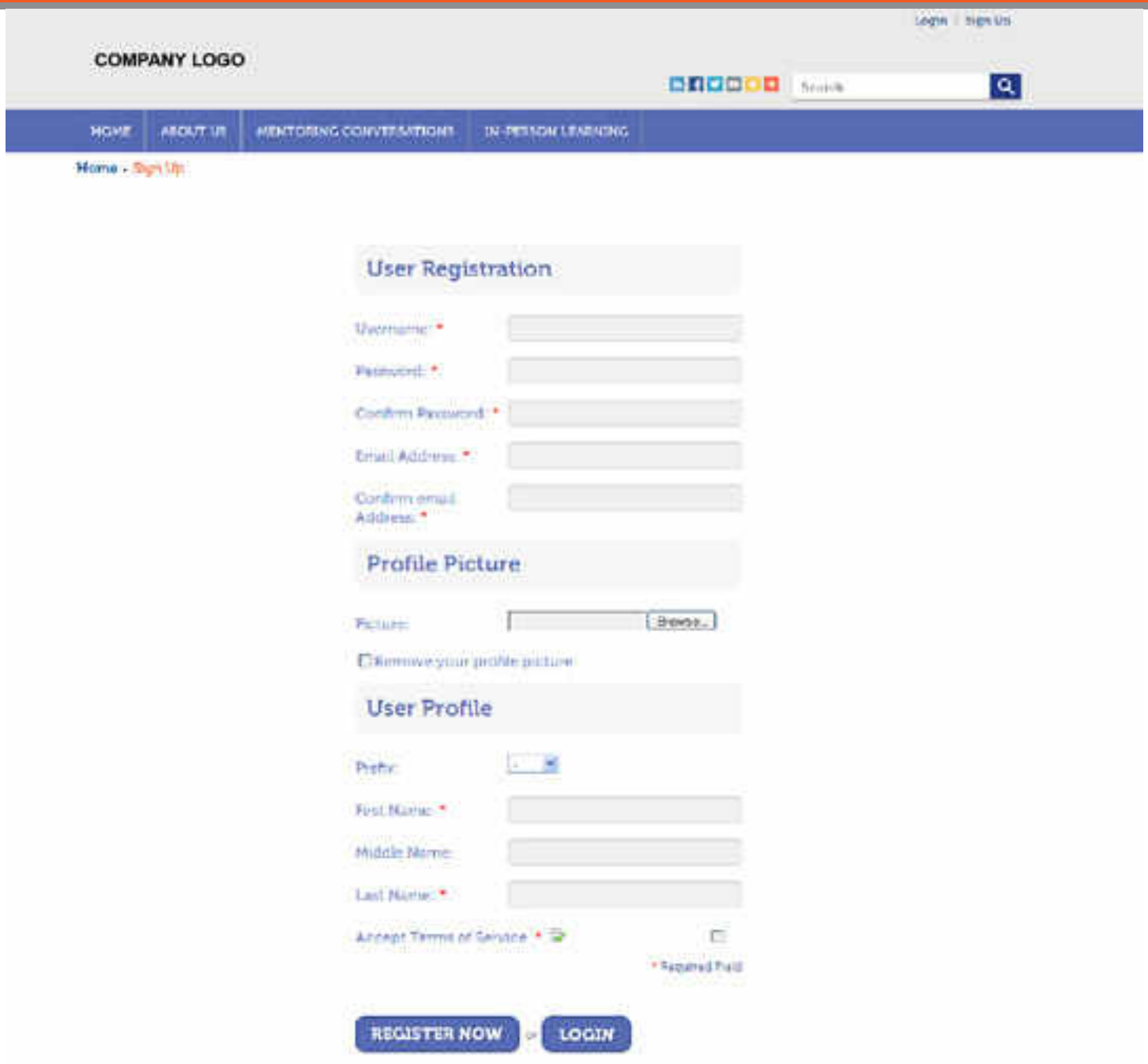
1. Main challenge was to setup the Project on LiteSpeed Web Server Environment.
2. To integrate CMS with LMS to develop JOOMDLE.
3. Custom LMS module for Leader Assessment with online Custom Scores and Results.

Web Conversation Portal

Results Achieved

1. Developed site with Joomla as a part of CMS and Moodle as LMS. And implementation of JOOMDLE as a bridge between CMS and LMS to build stand alone web application.
2. Using JOOMDLE users can quickly navigate between CMS and LMS with single login.
3. Professionals are able to share their expert ideas/knowledge through this site.
4. Since the portal is developed using HTML5 with responsive layout, it can be easily accessed through mobiles and tablets.
5. Client is happy to sell the books online through QR code registrations and redirecting the user to online bookstores.

Screenshots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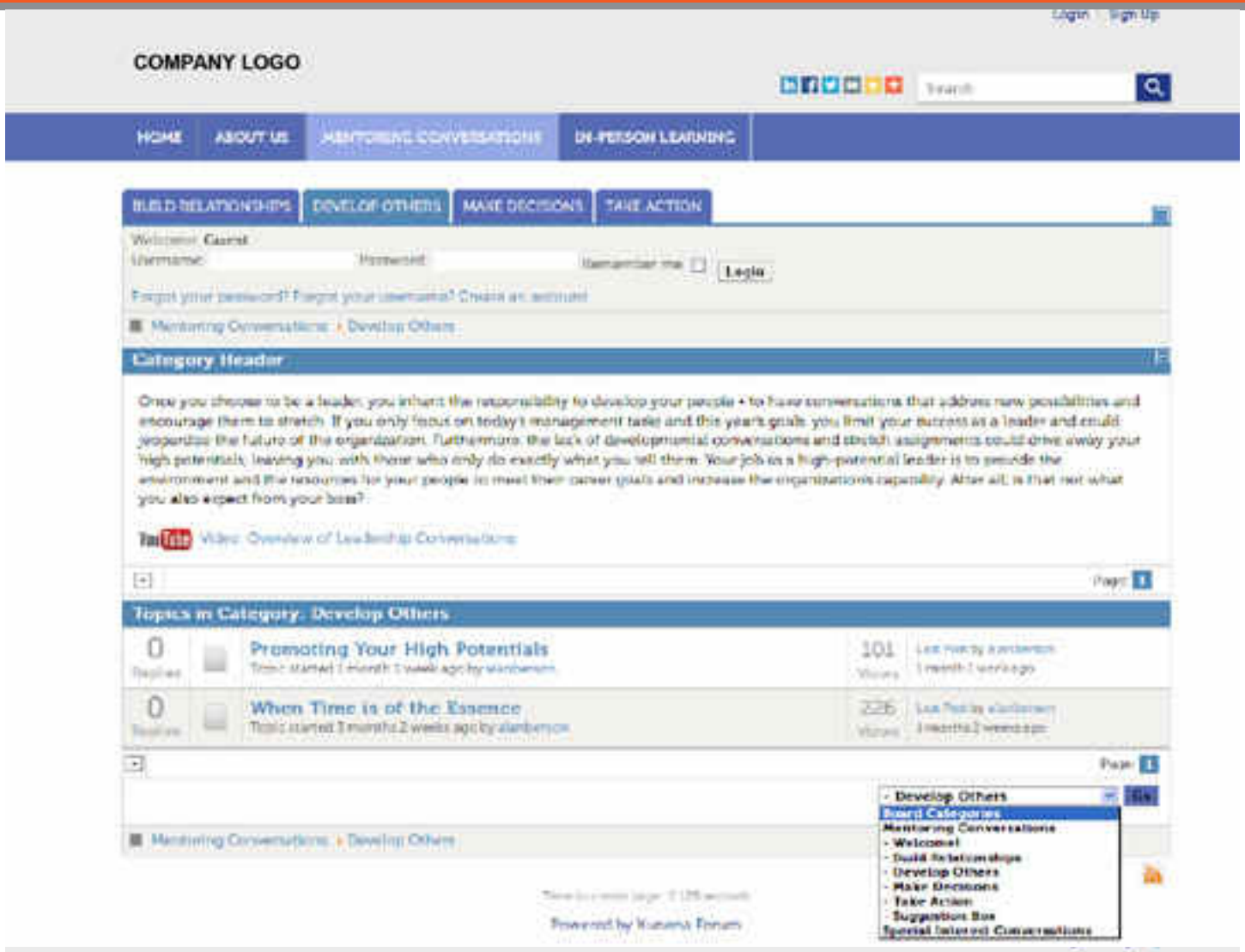
LOGIN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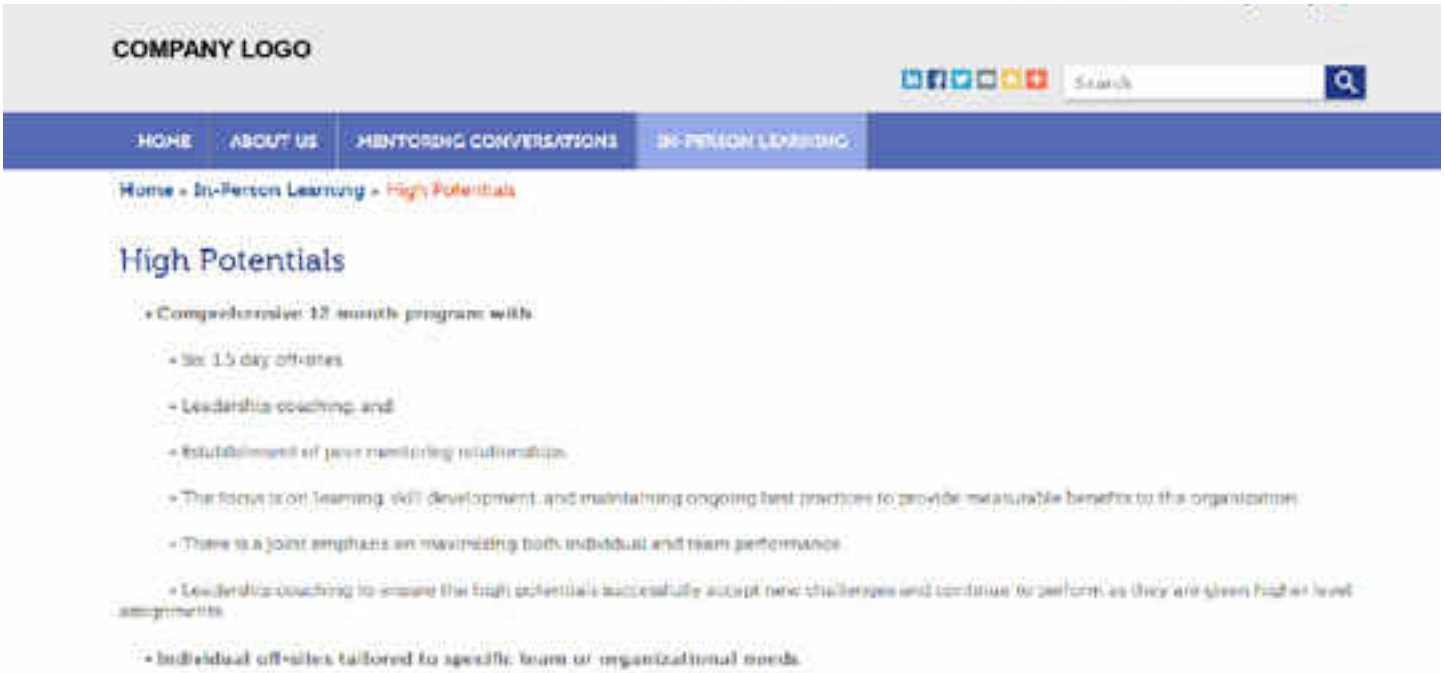
IN-PERSON LEARNING
BUILD RELATIONSHIPS
DEVELOP OTHERS
MAKE DECISIONS
TAKE ACTION
Login
Category Header
Topics in Category: Develop Others
Promoting Your High Potentials
When Time is of the Essence
Develop Others
Board Categories
Mentoring Conversations
Welcome!
Build Relationships
Develop Others
Make Decisions
Take Action
Suggestion Box
Special Interest Conversations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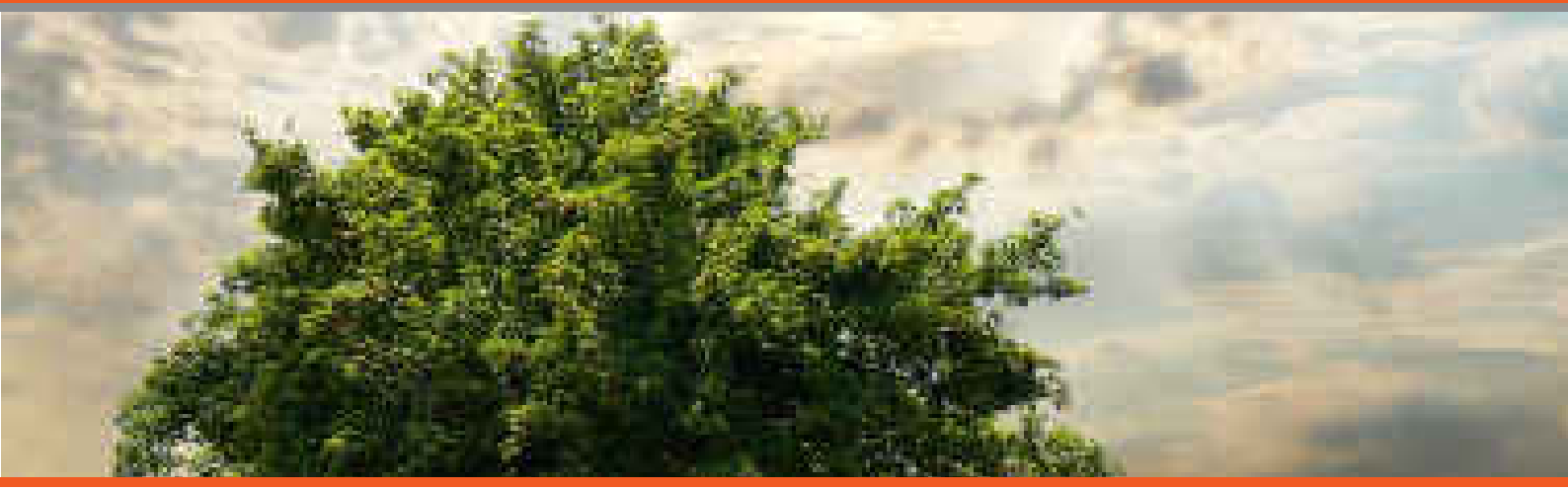
MENTORING CONVERSATIONS
IN-PERSON LEARNING
Home » In-Person Learning » High Potentials
High Potentials
• Comprehensive 12 month program with
• Six 1.5 day off-sites
• Leadership coaching, and
• The focus is on learning, skill development, and maintaining ongoing best practices to provide measurable benefits to the organization
• There is a joint emphasis on maximizing both individual and team performance
• Individual off-sites tailored to specific team or organizational needs



Deliver best products, software solutions and services, on time with quality, and as per customer expectations

About SilverTouch

SilverTouch, a company established in 1992 is widely accepted for its IT solutions with a huge customer base in more than 20 countries across the world.

SilverTouch is actively engaged in Enterprise software development, enterprise content management, document management and IT consulting services such as Business process optimization, process consulting, implementation and customization of ERP. SilverTouch leads brilliantly in new technical developments such as: Mobile Application development services on iPhone, iPad, Blackberry, Android, J2ME and Windows mobile platforms. Even now, SilverTouch helps its global clients for major developments, deployments and managements of their mobility solutions and enterprise application development programs.

SilverTouch has alliance with several industry leaders such as Microsoft, Apple, Cisco, IBM, Oracle, SAP, Java, Dell, VM ware, Symantec, Sonic Wall which provides a competitive edge over other industry peers and targets to understand and cater to all types of requirements that concern our clients, thereby, leading to serve them precisely to their satisfaction.

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