Project Specifications

Training Management System

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1. Abstract

The purpose of this project is to build a tool that automates all the activities related to organizing and managing training programs within an organization. The system accepts the training requests, nomination for participation to attend training, navigating upcoming training programs, viewing feedback for past training program, using a built-in work-flow process. The following functionalities are supported by this system.

Provides an online portal for trainees across the enterprise to manage training requirements, attend the nominated courses, provide feedback, and fill in feedback forms. It helps prepare classroom training schedules, define training requirements, assign training responsibilities, and alert trainees; tracks progress of training through powerful dashboards generated from feedback entry.

2. High Level Design Specification

The project contains the following main modules.
- Registration
- Request
- Announcements
- Training
- Admin
- Search

- **Registration Module:**

  This module allows the users to register themselves. The registered users can sign in to their account and perform the operations such as raising training request, nominating themselves to a training program, viewing announcements, training feedback etc.

- **Request Module:**

  This module allows the user to raise a training request. The registered user can raise the request to conduct a training program on any topic. Typically this module can be used to propose a new topic for training or training request from the available topics.

- **Announcement Module:**

  The candidate can view the announcements. The announcements option will provide the upcoming training programs, rejected topics, new topics added for training programs, postponement or cancellation of training programs etc.

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Adding new topics for training, announcements can be updated by admin in the backend. There is no separate admin module is available.

- **Training Module:**

    This module will display options such as nominate, enter feedback, view feedback etc.

    The 'Nominate' option allows the users to nominate themselves as participants to the announced training program. Nomination can be done by already registered candidates. The nomination module will list the upcoming training programs displayed in the announcement module. Only nominated candidates are allowed to attend the training program.

    The 'View Feedback' option is used to view the feedback of the past training programs. Feed back is taken with the help of the option 'Enter Feedback' option at the end of the training programs. Only nominated candidates must be given an option to fill the feedback forms online.

- **Admin Module**

    This module allows the admin to perform admin activities like adding new topics for training, creating announcements, viewing report etc.

- **Search Module**

    This module is used to search the commonly available information on the site for both registered and unregistered users.

3. Mandatory Requirements

- **User-defined exceptions must be generated.**

The following are the sample scenarios where user-defined exceptions required. Identify the other mandatory requirements and implement them.

    a. Entering Invalid user id
    b. Entering Invalid user name and password etc.

- **Primary Key and foreign key constraints must be specified in database design.**

- **Session management must be implemented.**

Session tracking or management must be properly maintained between the pages until the user log outs the session.

4. Best Practices

The development team must follow the best practices.

1. Coding Standard

- Methods and class names must be meaningful
- Meaningful names for variables
- Meaningful names for controls. To clearly identify the controls, the controls name can start with the control name followed by their functionality name

Sample

txtCustomerName – text field which is used to enter the customer name

btSubmit – button to submit the fields entry

2. Validation for all the fields

- Missing of mandatory fields entry
- Entering numbers for name field etc.
- Identify the other required validation and implement them.

3. Layout design and arrangement of the controls must be proper in UI design

4. Title messages for each dialog and screen must be meaningful.

5. Deliverables Expected

- Project Documentation Report
- Database script file
- UI design document

6. Database Design

A partial database schema is given below. Additional tables or attributes may be added as per

requirement. These database tables are samples only.

USER_DETAILS

Field	Description
Userid	User Id
Fname	First Name
Lname	Last Name

Age	Age
Gender	Gender
Emailid	Email ID

REQUEST_DETAILS

Field	Description
Training_Req_No	Training Request No
Topic_Id	Topic_Id
User_Id	Request by
Request_Date	Request_Date

ANNOUNCEMENT_DETAILS

Field	Description
Ann_Id	Ann_Id
Description	Description
ADate	ADate

TRAINING_DETAILS

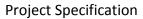| Field	Description
TId	Training Id
ProgramName	ProgramName
ProgramDate	ProgramDate
Venue	Venue
Duration	Duration

FEEDBACK

Field	Description
TId	
UserId	
Questions	
Rating	
Suggestions	

LOGIN_DETAILS

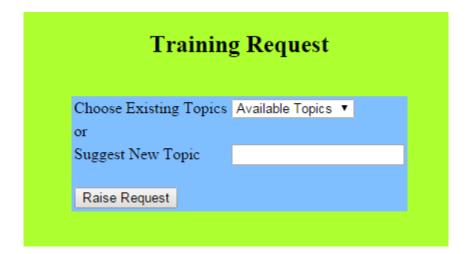| Field	Description
User_Id	User Id
Password	Password

Project Specification

1. SCREEN DESIGN

User Login

Training Request

Upcoming Training Programs and Nominations

S.No	Date	Program Name	Duration in Days	Venue	Click To Register
1	10-08-2015	Advanced Leadership Skills	2	gnanamani college of technology,namakkal	Register
2	12-08-2015	Introduction to PHP Programming	2	SNR Sons College,Coimbatore	Register
3	21-08-2015	Introduction to PHP Programming	2	DMI College of Engineering,Chennai	Register

View Training Programs Details

View | Training Programs

VIEW   TRAINING PROGRM DETAILS

SELECT A MONTH   [August ▼]   SELECT A YEAR   [2015 ▼]

[Search]

Select Only One Checkbox to View the Program Details

[View Feedbacks]

	S.NO	PROGRAM NAME	VENUE	FROM DATE	TO DATE	TRAINER NAME	NO.TEACHERS REGISTERED	NO.TEACHERS CERTIFIED
☐	1	ADVANCED LEADERSHIP SKILLS	GNANAMANI COLLEGE OF TECHNOLOGY,NAMAKKAL	10-AUG-2015	11-AUG-2015		23	0
☐	2	INTRODUCTION TO PHP PROGRAMMING	SNR SONS COLLEGE,COIMBATORE	12-AUG-2015	13-AUG-2015		19	0
☐	3	INTRODUCTION TO PHP PROGRAMMING	DMI COLLEGE OF ENGINEERING,CHENNAI	21-AUG-2015	22-AUG-2015		2	0
								0

View Feedback

View Feedback

Back

Total number of records found : 41

COURSE NAME	ADVANCED LEADERSHIP SKILLS		
STARTING DATE	28/05/2015	ENDING DATE	29/05/2015
TRAINER NAME	.		

QUESTIONS	AVERAGE RATING
Q1	3.98
Q2	3.8
Q3	4.07
Q4	3.73
Q5	3.88
Q6	3.76
Q7	4.02
Q8	4.07
Q9	4.17
Q10	4.17
AVERAGE	3.97

Summary Feedback Report