

ISO MANAGEMENT SYSTEM

SUBJECT: SOFTWARE ENGINEERING

BATCH: D1

SEMESTER: 4

DEPARTMENT OF COMPUTER ENGINEERING

FACULTY OF TECHNOLOGY

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1. Project Scope

The proposed system is developed for University to minimize the paperwork and to provide the facility of filling and evaluating their ISO forms digitally. University faculties, through this web application, will be able to log in, fill up forms which are further evaluated by higher authorities and if they find any ambiguity in form details then they can take appropriate actions.

2. Goal

The proposed system is the first version of WEB based application that is to be developed for the university to manage their ISO form system. This system specifies the functionality of login by faculty members, coordinators and HOD (Head Of Department). It also provides the feature to enable, fill up and review the form.

3. Project Description

All the faculties in each department of college are required to fill up an ISO form every semester. The faculties can login in the application with their respective username, password and department assigned to them by the department coordinator. After logging in, faculties are allowed to insert their details, modify their details, update them and view their form.

Coordinators are assigned in each department who can enable the form when he/she is ordered. Department coordinators can also login using username and password and monitor the progress of all faculty members.

Also, there is a coordinator at institute level who has admin access to all the processes. The admin can login using the username and password and has the authority to enable/disable the forms for any faculty members in the institute. The admin can view and evaluate submitted forms of all faculty members by checking for all the validations. If a subject is taken by two or more faculty members, then the forms contain appropriate details.

The HOD of each department can login with his/her respective credentials and can view, evaluate the forms submitted by faculties and provide essential feedback or modifications if required.

After successful submission of the form, faculty can print and save their responses.

4. Intended Users

This system is intended for 3 different types of users.

- Admin

System admin is able to:

- Create and delete other users
- Enable and disable forms
- Set deadline for submission for coordinators at dept. Level, institute level and faculty members of each dept.

- Coordinator

Coordinator at institute level can:

- Enable forms to dept. level coordinators
- View details/progress of work done of coordinators of each dept.

Coordinators at department level can:

- Enables forms to faculty members when instructed
- View details,progress of faculty members
- Review forms submitted by faculty members

- Faculty

Faculty is able to:

- Insert details in the form
- Modify details in the form
- View form

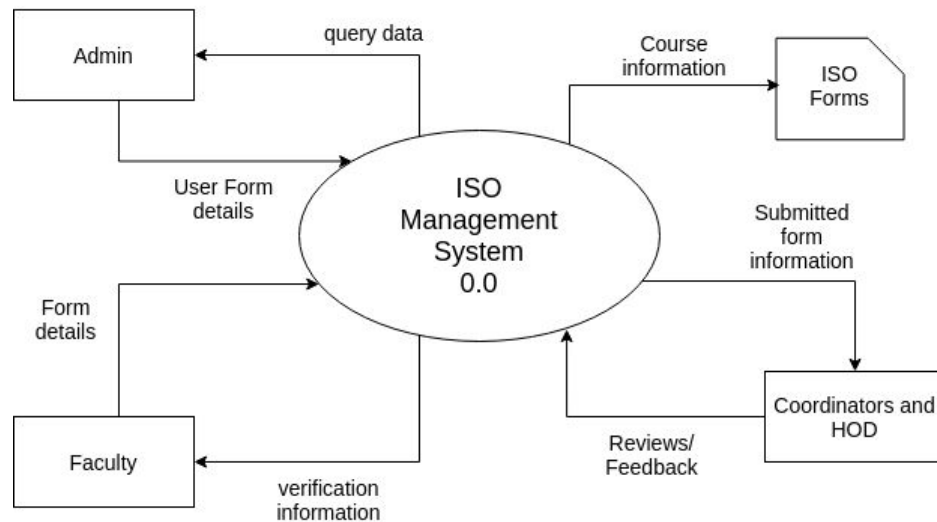
5. List of Requirements

1. Manage User
 - 1.1. Register new user
Input: User details
Process: Based on name and other details of user, username is autogenerated by the system
Output: Confirmation message and the generated username will be displayed.
 - 1.2. Update existing user details
 - 1.2.1 Display existing users
Input : user selection or username of the user.
Output : Current details of selected user.
 - 1.2.2 Update the user details
Input : details to be updated
Output : Confirmation/Acknowledgement.
 - 1.3. Delete User
Input: User selection or username of user
Output: Confirmation message
2. Login for user
Input : username and password
Output : If the credentials are correct, then the user is directed to the dashboard of the software.
3. Manage ISO Forms
 - 3.1. Enable the form by the coordinator
Input : Admin/coordinator select the forms to be enabled.
Output : Message displaying submission status.
 - 3.2. Fill a form
Input : various form details
Output : Submission status and user will be asked to print/save his response in preferred format.

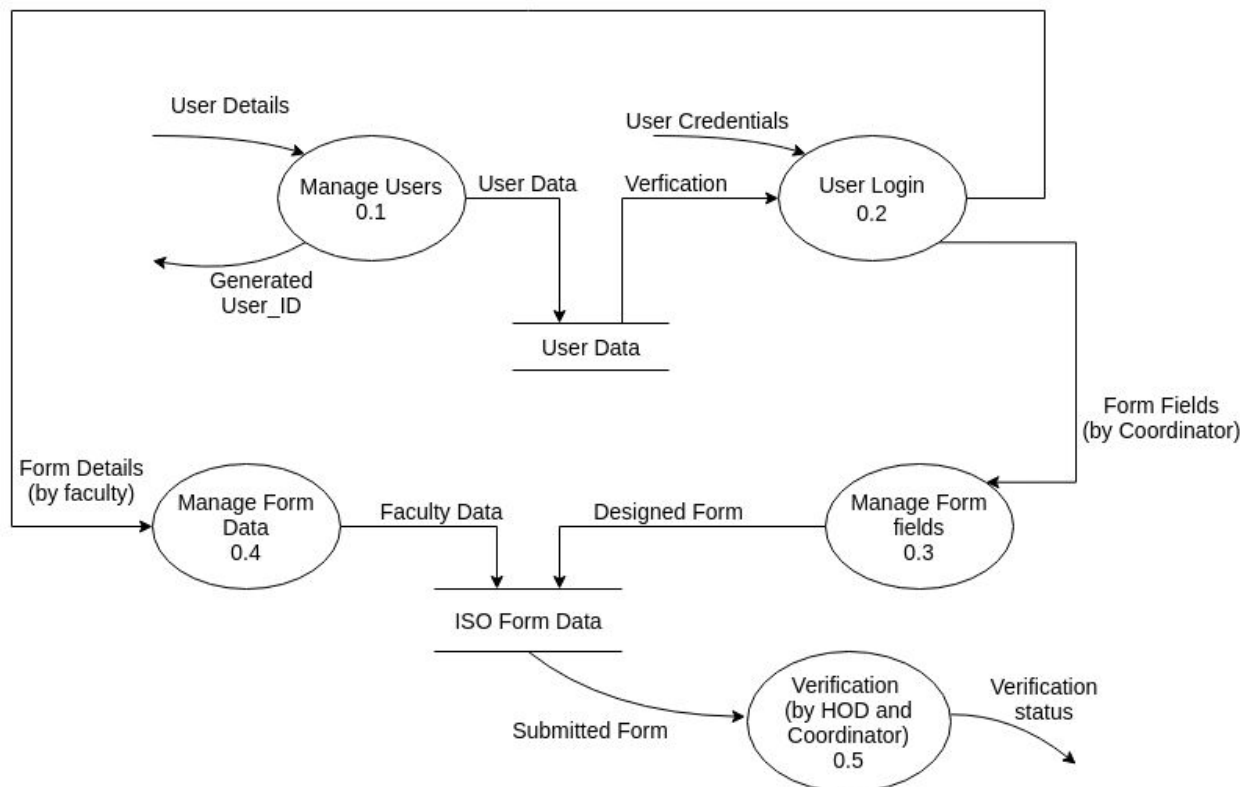
- 3.3. Edit enabled form by the coordinator
 - 3.3.1. Display enabled form
 - Input** : user selection
 - Output** : current details of the form.
 - 3.3.2. Update form fields.
 - Input** : updated details for that form.
 - Output** : confirmation message.
- 3.4. Update submitted form by faculty
 - 3.4.1. Display enabled form
 - Input** : user selection
 - Output** : current details of the form.
 - 3.4.2. Update form fields.
 - Input** : updated details for that form.
 - Output** : confirmation message.
- 3.5. Disable the form by coordinator
 - Input** : Admin/coordinator select the forms to be disabled.
 - Output** : Confirmation message.
- 3.6. View the forms
 - Input** : User selection.
 - Output** : list of forms.

6. Data Flow Diagram(DFD)

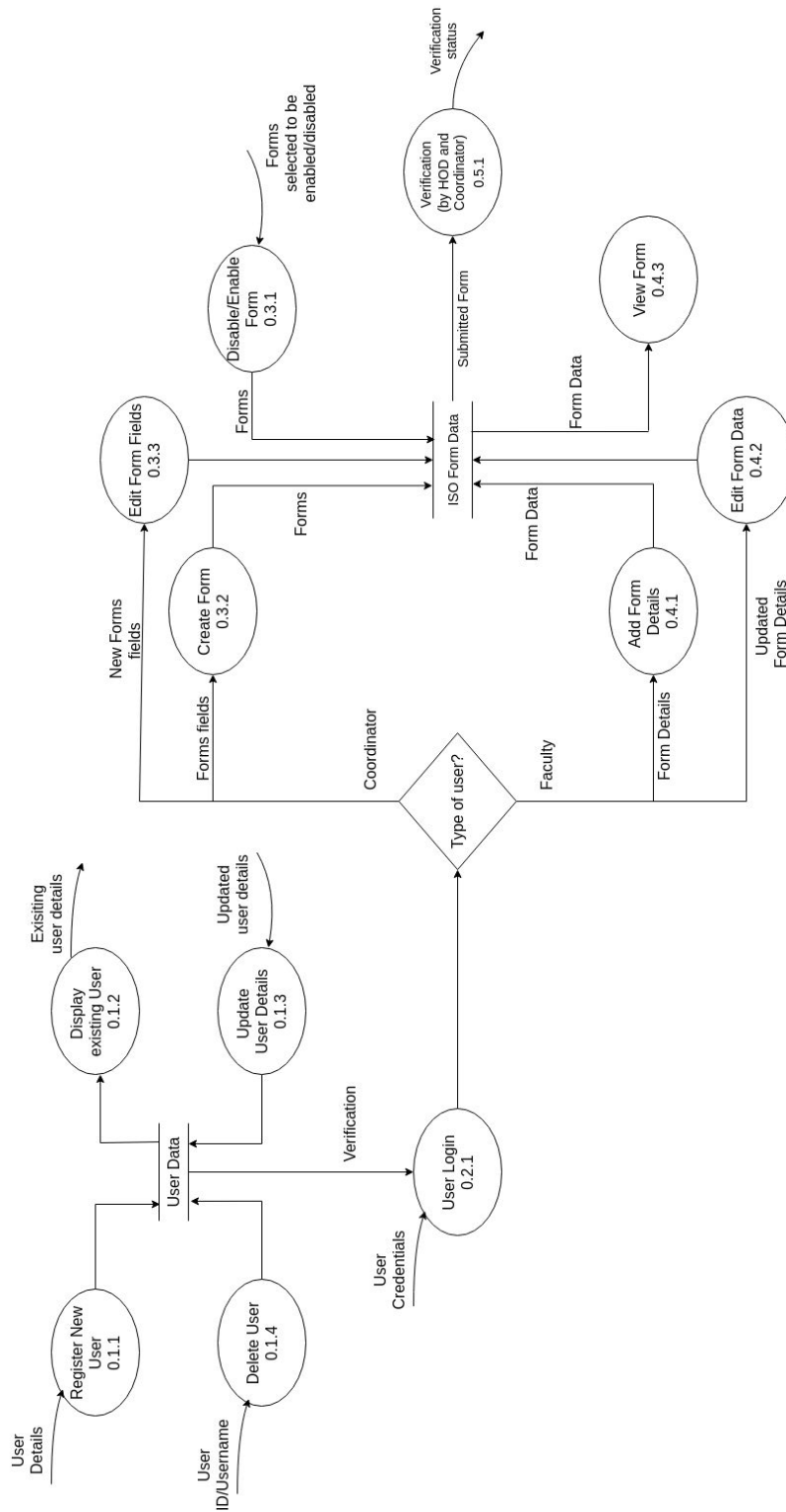
- Level 0



- Level 1



- Level 2



7. Screen Shots

Login Page

ISO Management System

Log in

E-mail:

Password:

Role:

Admin ▼

Submit

Exception if incorrect role is selected

ISO Management System

Log in

You did select incorrect role...!!!

E-mail:

Password:

Role:

Admin ▼

Submit

Exception if incorrect email or password

ISO Management System

Log in

Invalid username/password...!!!

E-mail:

Password:

Role:

Submit

Logged in as Admin

Existing Forms

ISO Management System

Logout

Document No	Form Name	Type	Start Date	End Date	Operation	
1	JT LAB FORM	Lab	2017-01-01	2017-01-01	Update	Delete
2	DM LAB FORM	Lab	2019-12-29	2019-12-29	Update	Delete
3	DBMS LECTURE FORM	Lecture	2019-12-29	2019-12-29	Update	Delete
4	JT LAB FORM	Lab	2019-12-29	2019-12-29	Update	Delete

Add New Form

Update a form

ISO Management System

Logout

Document Number	<input type="text" value="5"/>
Document Name	<input type="text" value="OS LAB FORM"/>
Institute	FOT ▼
Department	Computer ▼
Subject	OS ▼
Type	Lab ▼
Starting Teaching Plan	<input type="text" value="07-04-2020"/>
Ending Teaching Plan	<input type="text" value="11-04-2020"/>

Login is Faculty

Available Forms

ISO Management System

Logout

Document No	Form Name	Type	Operation
1	JT LAB FORM	Lab	View
5	OS LAB FORM	Lab	View

Insert/Update Form Data

ISO Management System

Logout

Dharmsinh Desai University, Nadiad Faculty of Technology, Department of Computer Engineering

Department Document No 6
Document Name: JT LAB FORM
Date: 2017-01-01 to 2017-01-01
Subject Name : OS
Hardware/Software required : -

Document Version No. 0

Department name: Computer
Semester :4

Faculty name:	Vanraj	Designation:	Coordinator	Department:	Computer
Faculty name:	Niyati	Designation:	Faculty	Department:	Computer

Sr. No.	Topics	Number of Hours	Delete
1	Write Problem definition and its informal requirements	2	Delete
2	Write Requirements Analysis for given application & Software Process Model	2	Delete
3	write non functional requirements	5	Delete

Update

Insert row

Remarks (if any):

Logout

ISO Management System

Log in

You are successfully logged out...!!!

E-mail:

Password:

Role:

Submit