

# BABU MADHAV INSTITUTE OF INFORMATION TECHNOLOGY

MAKE IT HAPPEN THROUGH INNOVATIONS AND VALUES



## Community Management System

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## TABLE OF CONTENT:-

- Project Definition (Purpose, Scope, Identification of Need)
- Functional and Non-Functional Requirements
- User Characteristics
- Use case and Activity diagram
- Data Dictionary
- Template Integration



# PROJECT DEFINITION:

- **Project Overview:-**

The UMA FOUNDATION aims to develop an innovative and efficient online platform for managing various activities and services within the community. The system will digitize management processes, making it easier for committee Major, Committee Members, and Members to collaborate and manage services such as Manage announcement like Events and Scholarships, Manage Donation and Hall booking.

- **Project Purpose:-**

The Purpose of UMA FOUNDATION is to manage and coordinate various activities and services offered by the community.

# PROJECT DEFINITION:

- **Project Scope:-**

The scope of the UMA FOUNDATION is within accept only Kori patel members and particular state(Gujarat).

- **Identification of needs:-**

Previously all the data were in physical form(on paper). Which makes it difficult to maintain and manage for longer period. As it can be lost or could tear off. So UMA FOUNDATION will help to digitalize such data and to preserve it for decades.



# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Functional Requirements:-**

Functional requirements define the Fundamental action that the system must perform.

## Module 1: Manage User

FRN	DESCRIPTION	Page
FR1	This module will Provide the Following facility to Member: <ul style="list-style-type: none"><li>• Register</li></ul>	Registration
FR2	This module will Provide the Following facility to Users: <ul style="list-style-type: none"><li>• Forget Password</li><li>• Login</li><li>• Change Password</li></ul>	Sendotp Login Handle_recovery

# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Functional Requirements:-**

## Module 1: Manage User:

FRN	DESCRIPTION	Page
FR3	This module will provide the Following facility to the admin: <ul style="list-style-type: none"><li>• Add Committee Major</li><li>• Active/De-active Committee Major</li></ul>	Manage_committee_major
FR4	This module will Provide the Following facility to Member: <ul style="list-style-type: none"><li>• Request for committee Member</li></ul>	committee_member_request



# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Functional Requirements:-**

## Module 1: Manage User:

FRN	DESCRIPTION	Page
FR5	This module will Provide the Following facility to committee major: <ul style="list-style-type: none"><li>• Approve/decline committee Member request</li></ul>	committee_member_request
FR6	This module will Provide the Following facility to committee major/Committee Member: <ul style="list-style-type: none"><li>• Generate Reports</li></ul>	Generate_reports

# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Functional Requirements:-**

## Module 2: Manage announcement type

FRN	DESCRIPTION	Page
FR1	This module will Provide the Following facility to the Committee major: <ul style="list-style-type: none"><li>• Create announcement type.</li><li>• Modify announcement type.</li><li>• Delete announcement type.</li></ul>	Manage_announcement_type
FR2	This module will Provide the Following facility to the Committee major/committee member/Members: <ul style="list-style-type: none"><li>• View announcement type.</li></ul>	Announcement



# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Functional Requirements:-**

## Module 3: Manage Announcement

FRN	DESCRIPTION	Page
FR1	This module will Provide the Following facility to the Committee major/committee member: <ul style="list-style-type: none"><li>• Create announcement</li><li>• Modify announcement.</li><li>• Delete announcement.</li></ul>	Manage_announcement
FR2	This module will Provide the Following facility to the Committee major/committee member/ Members: <ul style="list-style-type: none"><li>• Register for particular announcement</li><li>• View announcement</li></ul>	Announcement

# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- Functional Requirements:-

## Module 4: Manage Donation

FRN	DESCRIPTION	Page
FR1	This module will provide the Following facility to the Members: <ul style="list-style-type: none"><li>Give Donation</li></ul>	Donation
FR2	This module will provide the Following facility to the committee member/committee major/member: <ul style="list-style-type: none"><li>View Donation.</li></ul>	View_Donation



# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Functional Requirements:-**

## Module 5: Manage Hall

FRN	DESCRIPTION	Page
FR1	This module will provide the Following facility to the Committee Members/committee major: <ul style="list-style-type: none"><li>• Add Hall .</li><li>• Update Hall</li><li>• Active/De-active Hall.</li></ul>	Manage_Hall
FR2	This module will provide the following facilities to Committee Member/Committee major/member: <ul style="list-style-type: none"><li>• View hall</li></ul>	View_Hall

# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Functional Requirements:-**

## Module 6: Manage Hall Booking

FRN	DESCRIPTION	Page
FR1	This module will provide the Following facility to the Member: <ul style="list-style-type: none"><li>• Book Hall</li><li>• Update Hall booking</li><li>• Delete hall booking</li></ul>	Manage_Hall_booking
FR2	This module will provide the following facilities to Committee Member/Committee major/member: <ul style="list-style-type: none"><li>• View hall booking</li></ul>	View_Hall_booking



# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Functional Requirements:-**

## Module 6: Manage Hall Booking

FRN	DESCRIPTION	Page
FR3	This module will provide the following facilities to Committee Member/Committee major: <ul style="list-style-type: none"><li>• Approve/decline hall booking</li></ul>	View_Hall_booking

# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Functional Requirements:-**

## Module 7: Manage Profile

FRN	DESCRIPTION	Page
FR1	<p>This module will provide the Following facility to the Committee</p> <p>Major/Member/Committee Member:</p> <ul style="list-style-type: none"><li>• Add details</li><li>• Update details</li><li>• Delete details</li><li>• View details</li></ul>	Manage_Profile



# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Functional Requirements:-**

## Module 8: Manage Payment

FRN	DESCRIPTION	Page
FR1	This module will provide the Following facility to the Member: <ul style="list-style-type: none"><li>• Make payment</li><li>• View payment</li></ul>	Manage_hall_booking
FR2	This module will provide the Following facility to the committee Member/committee Major: <ul style="list-style-type: none"><li>• View payment</li></ul>	Manage_hall_booking

# FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS:

- **Non-Functional Requirements:-**

FRN	DESCRIPTION	Page
NFR1	The system will be using Password-Protected. Users will have to enter an ID/Password to access the application and we also use md5 for the authenticated.	Security
NFR2	The application will be user-friendly and easy to operate. The functions will be easily understandable effective design and easy navigation.	Usability
NFR3	The application can be easily tested by providing various inputs to check the models.	Testability



# USER CHARACTERISTICS:

- **Admin:**

Add committee Major.

Active/De-active Major.

- **Committee Major:**

Approve/Decline Committee Member request

Create, Modify, View and Delete announcement type.

Create, Modify , View and Delete announcements

Register for Announcement.

View Donation.

Add, Update ,View and active/de-active Hall.

Approve/Decline and View Hall Booking.

Manage Profile.

**view payment.**

# USER CHARACTERISTICS:

- **Committee Member:-**

Create, Modify , View and Delete announcements

Register for Announcement.

View Donation.

Add, Update and active/de-active Hall.

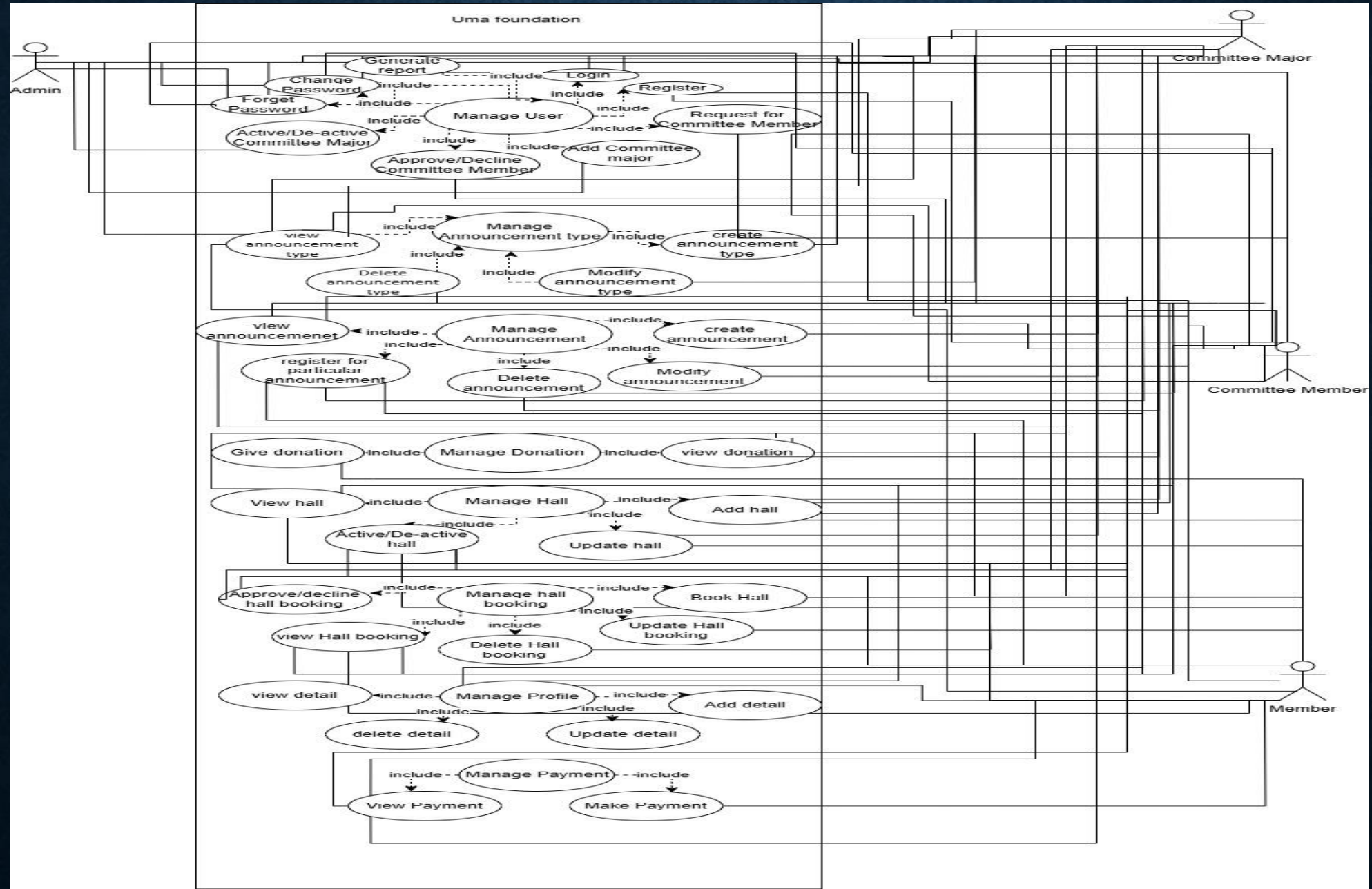
Approve/Decline , View Hall Booking.

Manage Profile.

view Payment.

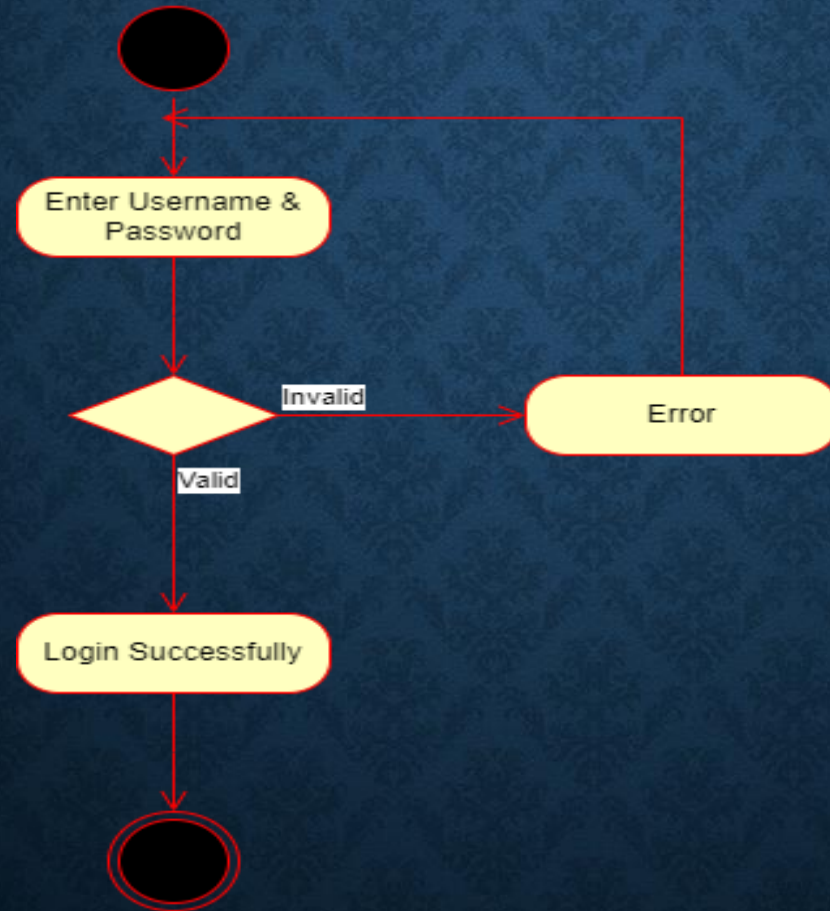


# Use Case Diagram



# ACTIVITY DIAGRAM

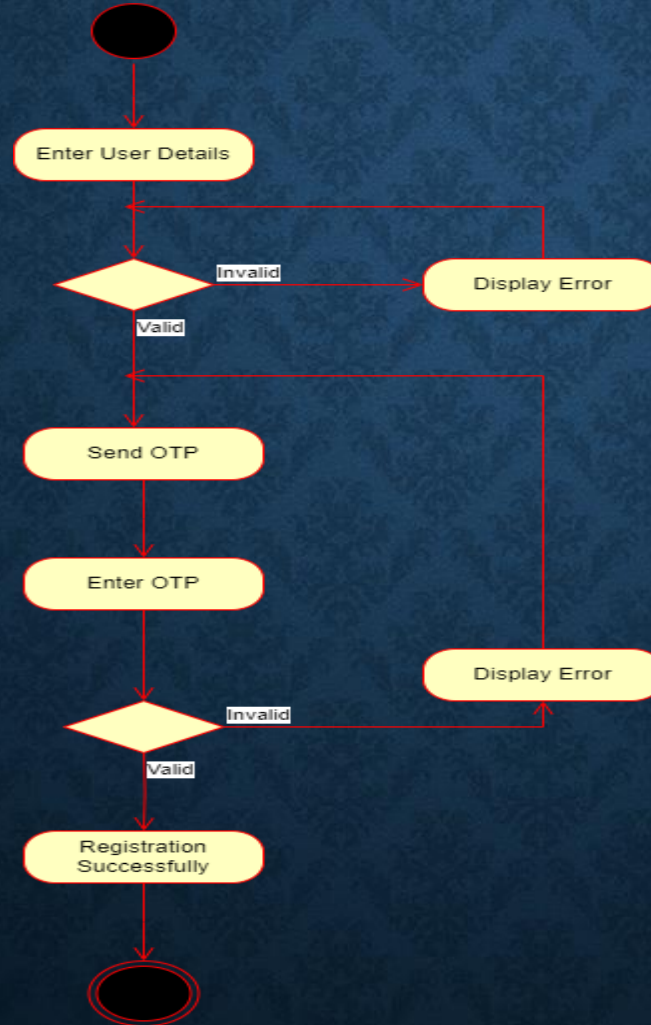
- login





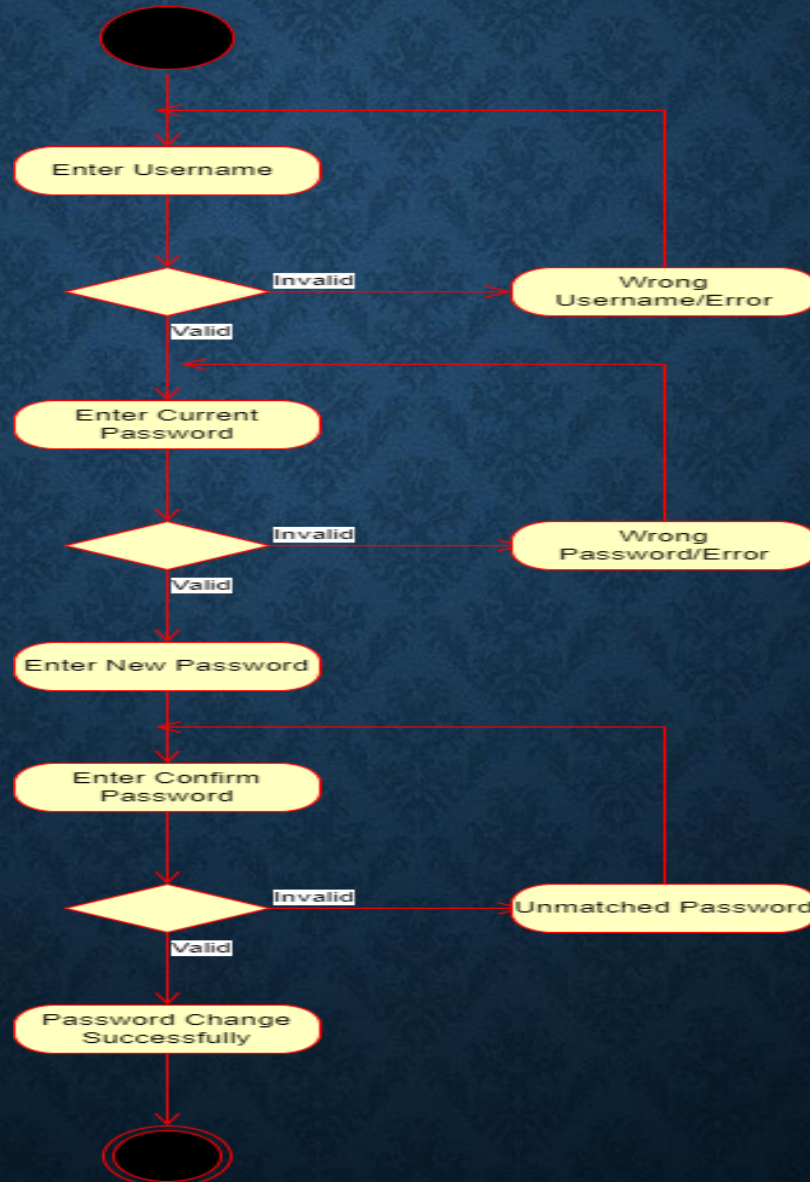
# ACTIVITY DIAGRAM

- Registration:-



# ACTIVITY DIAGRAM

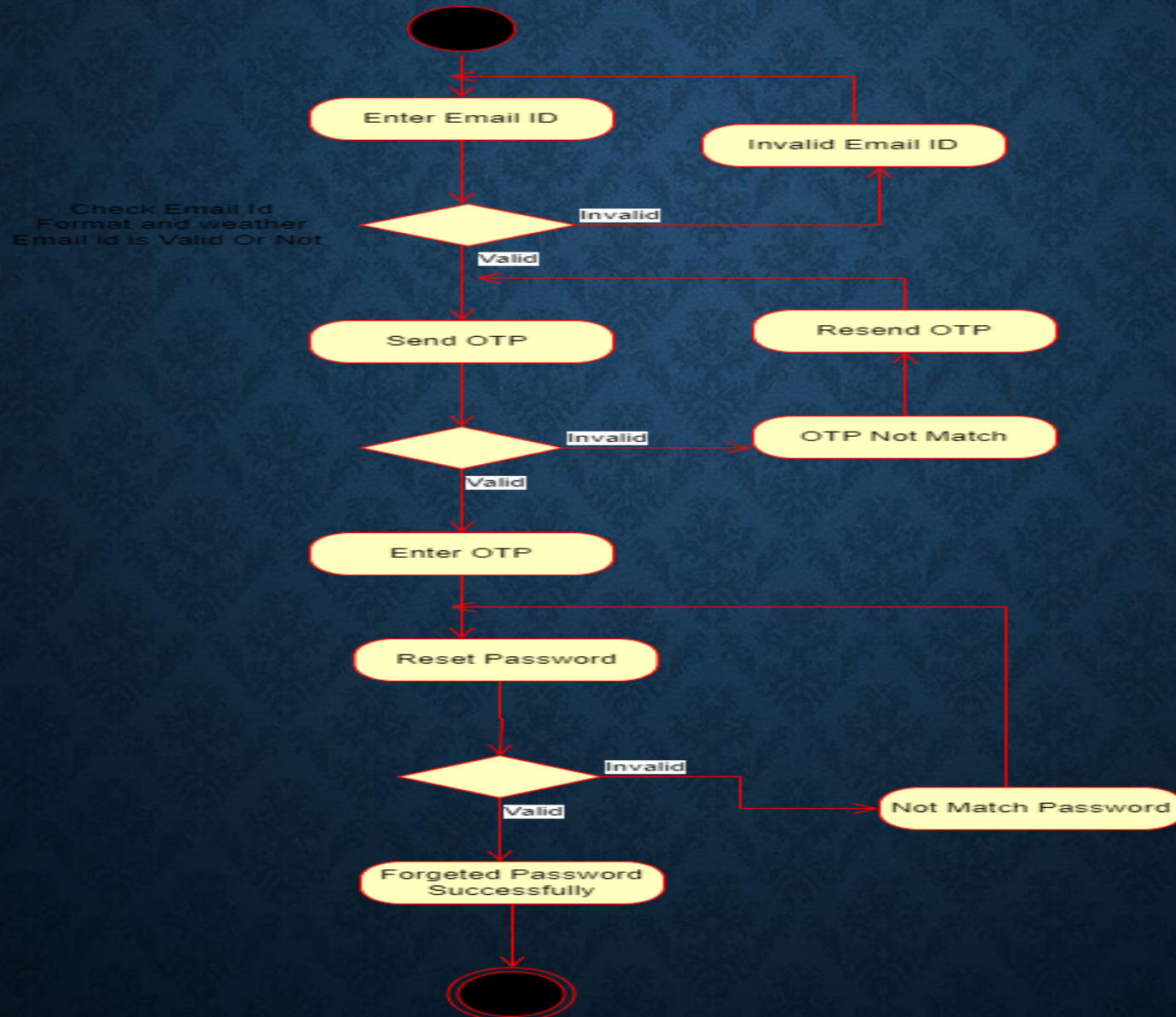
- Change Password:-





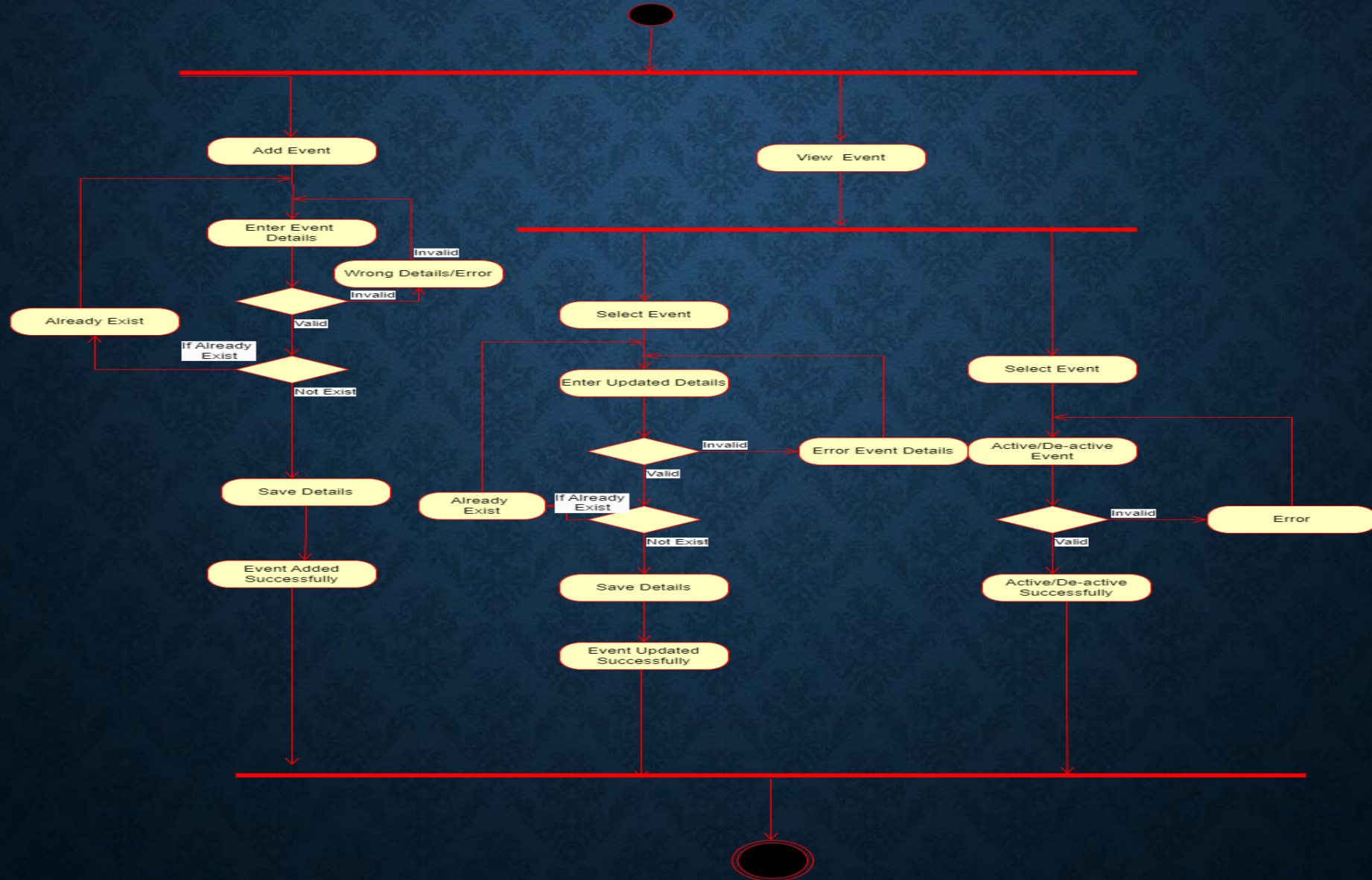
# ACTIVITY DIAGRAM

- Forget Password:-



# ACTIVITY DIAGRAM

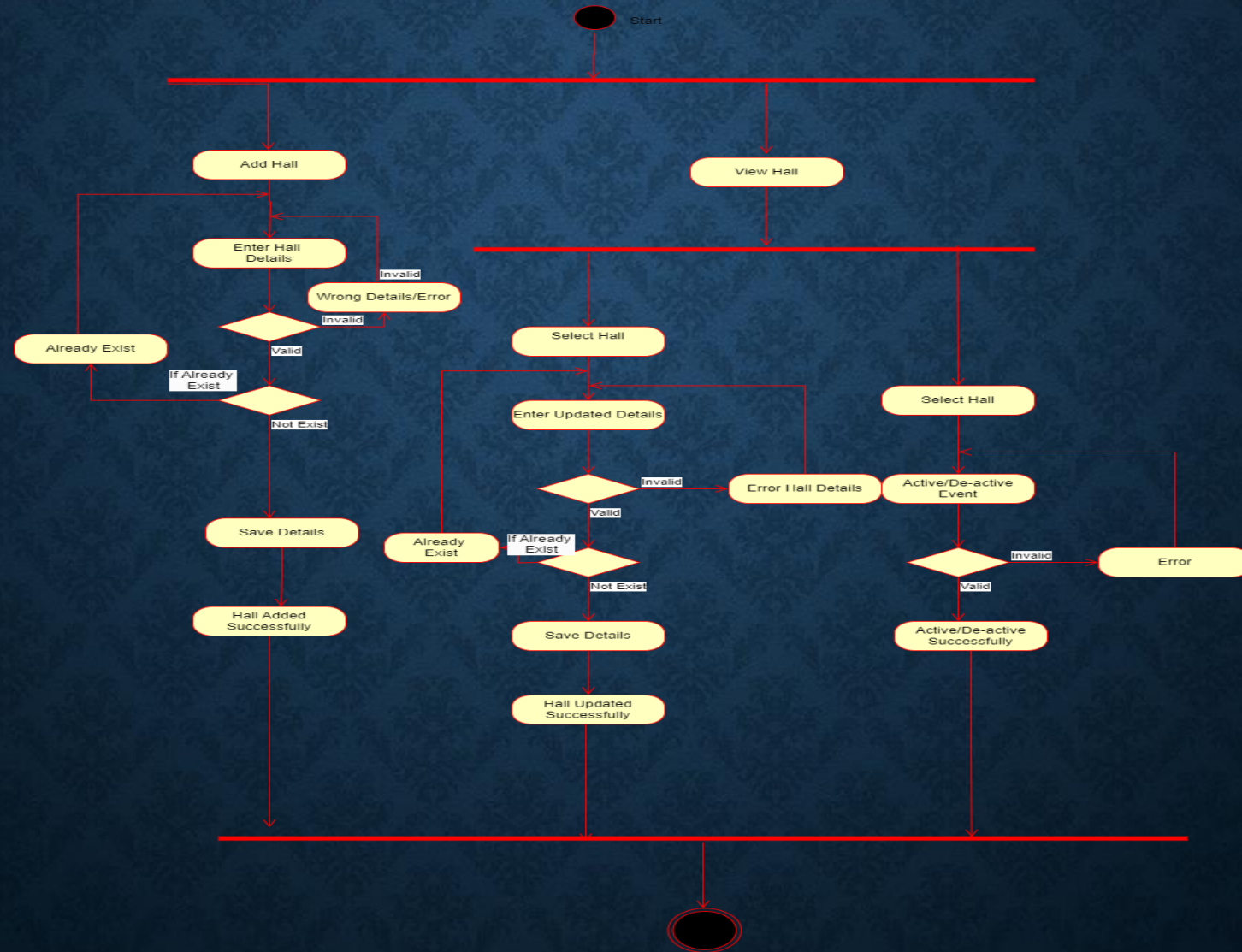
- Event:





# ACTIVITY DIAGRAM

- Hall Booking:-



# DATA DICTIONARY

Table Name: User

No.	Field Name	Data Type	Size	Constraints	Description
1	U_Id	Int	-	Primary key	Uniquely Identifies the committee member
2	Name	Varchar	10	Not null	Defines the name
3	Username	Varchar	10	Not null	Defines the username
4	Gender	Char	-	Not null	Defines the gender
5	Dob	Date	-	Not null	Defines the date of birth
6	c_no	Bigint	10	Not null	Defines the contact no
7	Address	Varchar	30	Not null	Defines the address
8	Email	Varchar	20	Not null	Defines the Email
9	Password	Varchar	15	Not null	Defines the Password
10	Caste_certificate	Varchar	255	Not null	Defines the Caste certificate
11	Status	Bit	-	Not null	Defines the member status is active or not
12	Role	Varchar	20	Not Null	Defines the role of the user



# DATA DICTIONARY

**Table Name: Announcement Type**

No.	Field Name	Data Type	Size	Constraints	Description
1	at_id	Int	-	Primary key	Uniquely Identifies the Event
2	at_name	Varchar	20	Not null	Defines the name of the Event
3	Status	Bit	-	Not null	Defines whether the status is active or not

# DATA DICTIONARY

**Table Name: Announcement**

No.	Field Name	Data Type	Size	Constraints	Description
1	a_id	Int	-	Primary key	Uniquely Identifies the Event
2	a_title	Varchar	20	Not null	Defines the name of the Event
3	Status	Bit	-	Not null	Defines whether the status is active or not
4	at_id	int	-	Foreign key	Defines the type of complaint Referenced from Tbl_announcement_type(at_id )
5	description	varchar	20	Not null	Defines the description of the Event
6	Declaration_date	date	-	Not null	Define the Declaration date of the Event
7	From_date	date	-	Not null	Define the from date of the Event
8	To_date	date	-	Not null	Define the to date of the Event
9	Participation_form	Varchar	255	Not null	Define the participation form of the event



# DATA DICTIONARY

**Table Name: Announcement participation**

No.	Field Name	Data Type	Size	Constraints	Description
1	ap_id	Int	-	Primary key	Uniquely Identifies the Event
2	a_id	Int	-	Foreign Key	Defines the name of the Event
3	U_id	Int	-	Foreign Key	Defines whether the status is active or not
4	Participation_form	Varchar	255	Foreign key	Defines the type of Hall booking Referenced from Tbl_announcement(participation_form)
5	Submission_date	date	-	Not null	Defines the submission date of the event

# DATA DICTIONARY

**Table Name: Hall\_master**

No.	Field Name	Data Type	Size	Constraints	Description
1	Hall_id	int	-	Primary key	Uniquely Identifies the Hall booking master
2	Name	Varchar	20	Not null	Defines the name of the Hall booking master
3	Capacity	Int	-	Not null	Defines the capacity of the Hall booking master
4	Image	Varchar	255	Not null	Define the image of the hall booking master
5	Address	Varchar	-	Not null	Define the Address of the hall booking master
6	Rent	varchar	20	Not null	Define the rent of the hall booking master
7	Status	varchar	20	Not null	Define the Status of the hall booking master



# DATA DICTIONARY

Table Name: Hall\_booking

No.	Field Name	Data Type	Size	Constraints	Description
1	H_id	Int	-	Primary key	Uniquely Identifies the Hall booking
2	U_Id	int	-	Foreign key	Defines the type of complaint Referenced from Tbl_User(U_id )
3	Hall_id	Int	-	Foreign key	Defines the type of Hall booking Referenced from Tbl_hall_master(Hall_id )
4	Request_status	bit	-	Not null	Defines whether the status is active or not
5	Start_Date_Time	DateTime	-	Not null	Defines the start time of the Hall Booking
6	End_Date_Time	DateTime	-	Not null	Defines the End time of the Hall Booking
7	Request_date	date	-	Not null	Defines the request date of the Hall Booking
8	Transaction_id	varchar	20	Not null	Defines the Transaction id of the hall Booking
9	Payment_date	date	-	Not null	Defines the payment date of the Hall Booking

# DATA DICTIONARY

**Table Name: Donation**

No.	Field Name	Data Type	Size	Constraints	Description
1	D_id	Int	-	Primary key	Uniquely Identifies the Donation
2	Amount	Float	-	Not null	Defines the Amount for Donation
3	Date	Date	-	Not null	Defines the Date for Donation
4	Status	varchar	255	Not null	Defines whether the status is active or not
5	U_Id	int	-	Foreign Key	Defines the type of user Referenced from Tbl_User(U_id )
6	Transaction_id	Varchar	-	Not null	Define the transaction id



# DATA DICTIONARY

**Table Name: Scholarship**

No.	Field Name	Data Type	Size	Constraints	Description
1	S_id	Int	-	Primary Key	Uniquely Identifies the Scholarship id
2	U_id	Int	-	Foreign Key	Defines the type of complaint Referenced from Tbl_User(U_id
3	a_id	int	-	Foreign key	Defines the type of complaint Referenced from Tbl_announcement(a_id)
4	Adhar_card_image	varchar	-	Not null	Define the Adhar card no
5	status	Varchar	-	Not null	Defines whether the status is active or not
6	School/university name	Varchar	30	Not null	Define the School/College Name
7	Previous_year_marksheet	Float	-	Not null	Define the SSC Marksheet

# DATA DICTIONARY

**Table Name: Scholarship**

No.	Field Name	Data Type	Size	Constraints	Description
8	Current_year_std	Varchar	30	Not null	Define the Course Name
9	Pan_card_no_father	varchar	11	Not null	Define the Pan Card of Father
10	Pan_card_no_mother	Varchar	11	Not null	Define the Pan card of Mother
11	Occupation_father	Varchar	20	Not null	Define the Occupation of Father
12	Occupation_mother	Varchar	20	Not null	Define the Occupation of Mother
13	Father_income	Float	-	Not null	Define the Father's Income
14	Mother_income	Float	-	Not null	Define the Mother's Income



# DATA DICTIONARY

**Table Name: Scholarship**

No.	Field Name	Data Type	Size	Constraints	Description
15	Bank_name	Varchar	30	Not null	Define the Bank Name
16	Bank_IFSC_code	Varchar	11	Not null	Define the Bank IFSC code
17	Account_no	Big int	-	Not null	Define the Account no
18	Income_certificate	Varchar	255	Not null	Define the Income certificate
19	Fees_receipt	Varchar	255	Not null	Define the Fees receipt

# DATA DICTIONARY

Table Name : CM\_Request

No.	Field Name	Data Type	Size	Constraints	Description
1	R_id	Int	-	Primary key	Uniquely Identifies the CM_Request
2	U_id	Int	-	Foreign key	Defines the type of complaint Referenced from Tbl_User(U_id)
3	Status	Bit	-	Not-null	Defines whether the status is active or not