Let's Meet

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Index

Chapter 4: System Analysis and Design **1**

4.1 UML (Unified Modeling Language) 3

4.2 System Flow Diagram 3

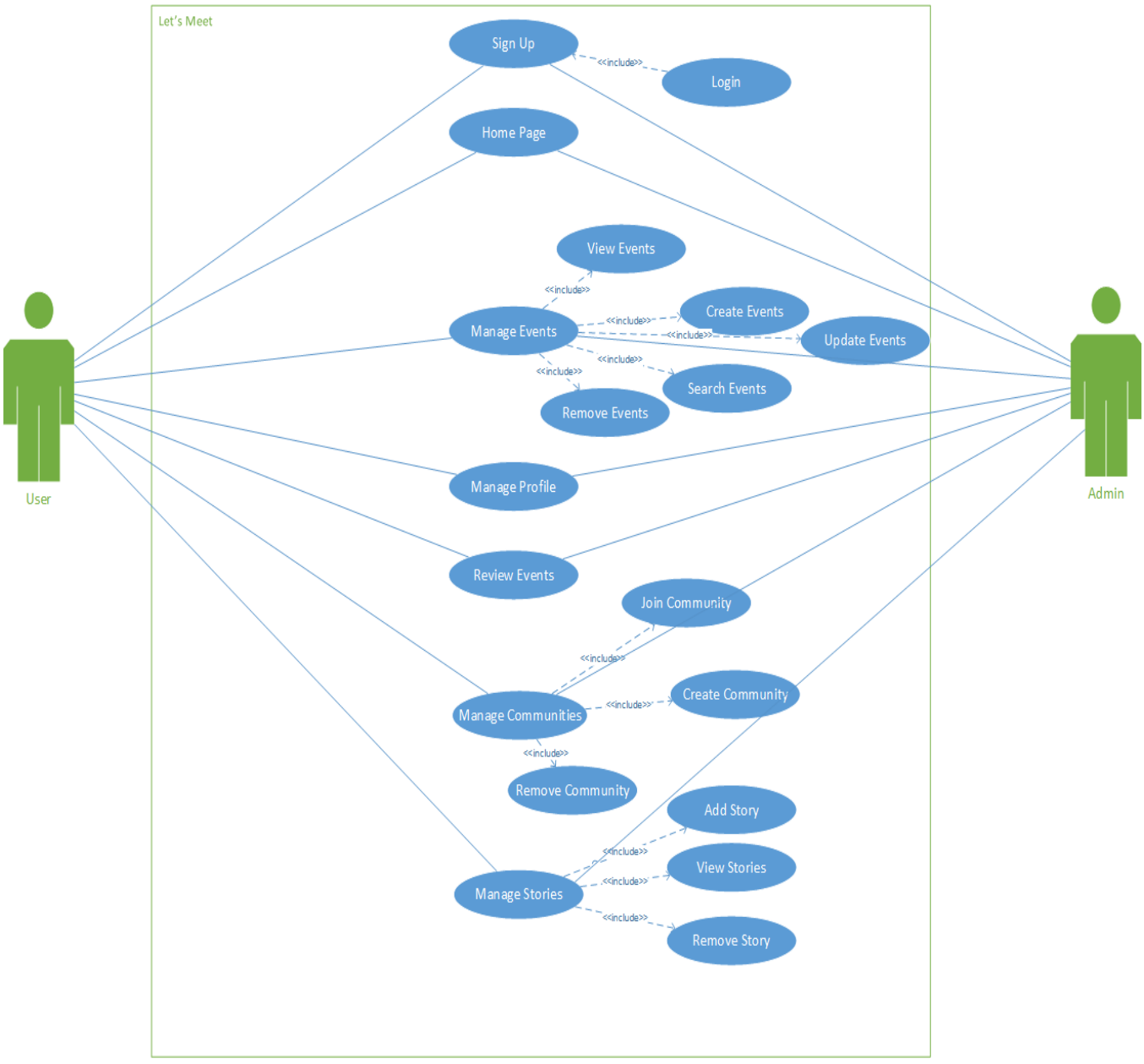
4.3 Data Dictionary 4

4.4 User Interface 4

4.5 System Navigation 4

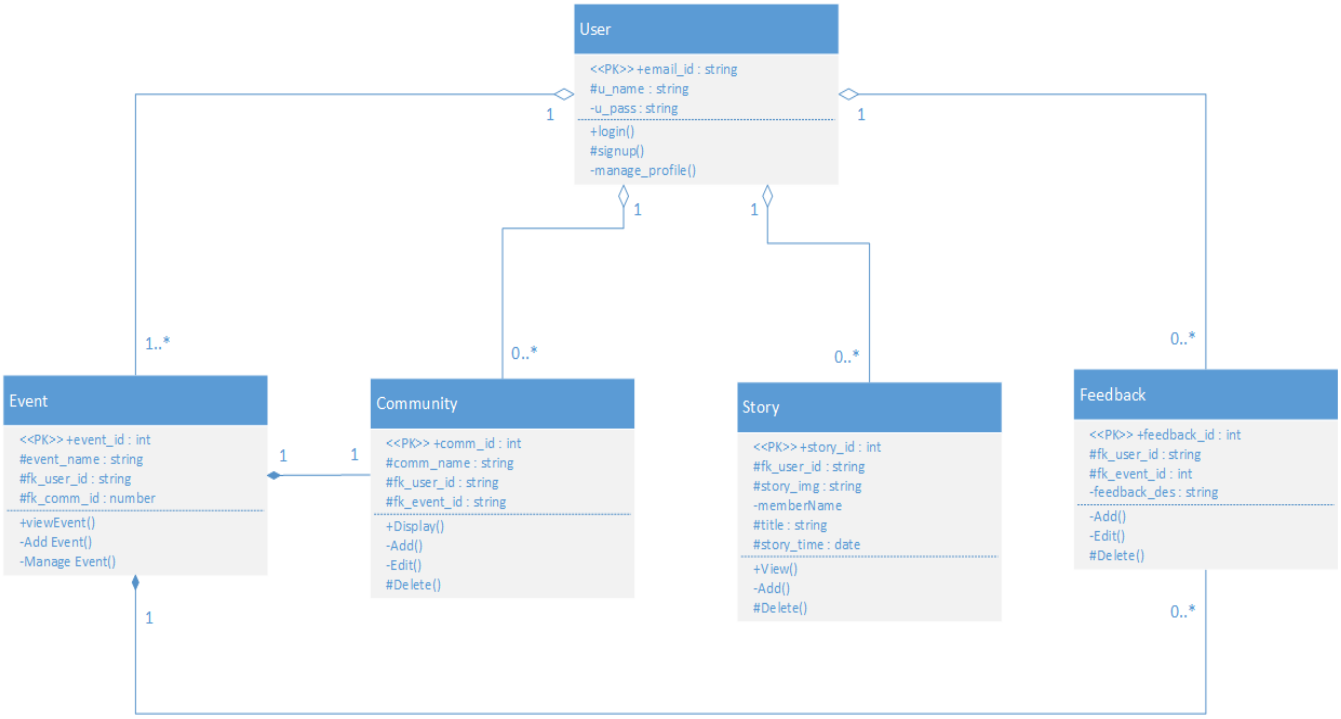
[4.1] UML (Unified Modeling Language)

[4.4.1] Use Case

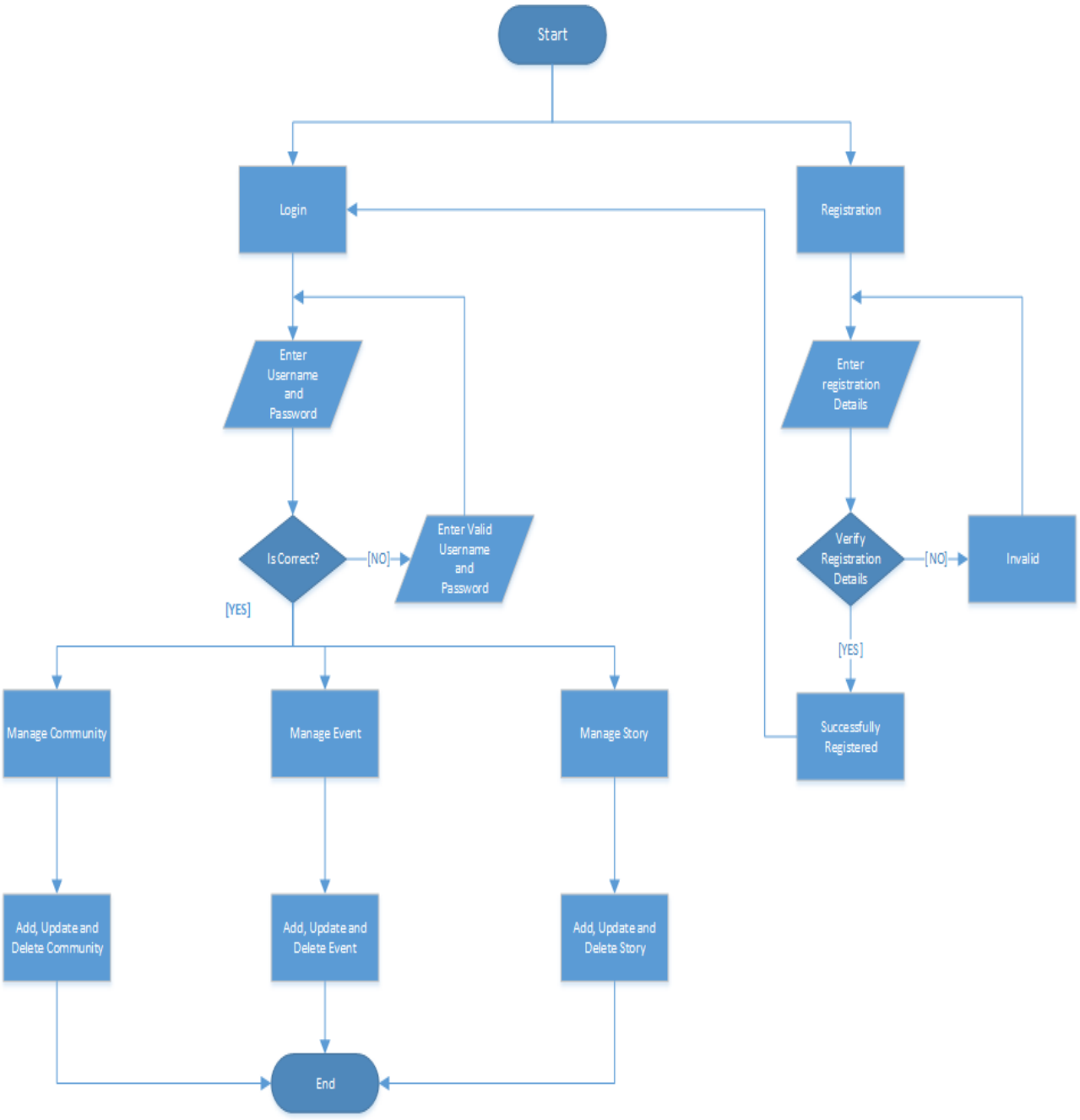


(fig 4.1 – Use Case of System)

[4.4.2] Class Diagram



[4.2] System Flow Diagram


Start
Login
Registration
Enter Username and Password
Enter registration Details
Is Correct?
[NO]
Enter Valid Username and Password
[YES]
Verify Registration Details
[NO]
Invalid
[YES]
Manage Community
Manage Event
Manage Story
Successfully Registered
Add, Update and Delete Community
Add, Update and Delete Event
Add, Update and Delete Story
End

[4.3] Data Dictionary

Users

Field	Data-Type	Constrains	Remarks	Description
User_id	Varchar(30)	Primary Key	-	User's email id.
User_name	Varchar(20)	Not Null	-	Display User's Name
User_photo	Varchar(500)	-	-	Display Picture
Gender	Varchar(6)	-	-	User's Gender
Password	Varchar(10)	Not Null	-	Password for Login
Mobile_no	Varchar(15)	-		User's Mobile No
Birth_date	Date	-	-	User's Birth Date
Fk_com_id	Integer	Foreign Key	-	Under which Communities

Communities

Field	Data-Type	Constrains	Remarks	Description
Comm_id	Integer	Primary Key	Auto-Increment	Community id
Comm_name	Varchar(20)	Not Null	-	Community Name
Comm_des	Varchar(300)	Not Null	-	Describe the community
Comm_photo	Varchar(500)	-	-	Community Picture

Date	Date	Not Null	-	Date created
Fk_user_id	Varchar(50)	Foreign Key	-	Users joined Community
Fk_post_id	Integer	Foreign Key	-	Posts in Community
Fk_event_id	Integer	Foreign Key	-	Events of Community
Comm_rating	Integer		-	Rating of Community

Events

Field	Data-Type	Constrains	Remarks	Description
Event_id	Integer	Primary Key	Auto-Increment	Event's Id
Event_name	Varchar(100)	Not Null	-	Event's Name
Event_pic	Varchar(500)	-	-	Event Photo
Event_des	Varchar(500)	-	-	Event Description
Event_time	Varchar(20)	-	-	Event Time
Event_date	Date	Not Null	-	Event Date
Event_loc	Varchar(100)		-	Event Venue
Fk_user_id	Varchar(50)	Foreign Key	-	Who Created?
Fk_comm_id	Integer	Foreign Key	-	Under Which Community?

Story

Field	Data-Type	Constrains	Remarks	Description
Story_id	Integer	Primary Key	Auto-Increment	Story id
Story_pic	Varchar(500)	Not Null	-	Story Photo

Fk_user_id	Varchar(50)	Foreign Key	-	Who Posted?
Story_title	Varchar(100)	Not Null	-	Story Caption
Story_time	Date	Not Null	-	When Story Posted?

Follower

Field	Data-Type	Constrains	Remarks	Description
Follo_id	Integer	Primary Key	Auto-Increment	Follower Id
Fk_user_id	Varchar(50)	Foreign Key	-	User being followed
Fk_us_id	Varchar(50)	Foreign Key	-	Who Followed?

Community Members

Field	Data-Type	Constrains	Remarks	Description
Join_id	Integer	Primary Key	Auto-Increment	Community join Id
Fk_user_id	Varchar(50)	Foreign Key	-	User who joined community
Fk_comm_id	Integer	Foreign Key	-	Which community did user joined

Feedbacks

Field	Data-Type	Constrains	Remarks	Description
Feed_id	Integer	Primary Key	Auto-Increment	Feedback id
Fk_event_id	Integer	Foreign Key	-	Under which Event
Fk_user_id	Varchar(50)	Foreign Key	-	Who gave feedback?
Feed_desc	Varchar(200)	Not Null	-	Feedback Description.

Posts

Field	Data-Type	Constrains	Remarks	Description
Post_id	Integer	Primary Key	Auto-Increment	Post Id
Post_title	Varchar(30)	Not Null	-	Caption
Post_des	Varchar(200)	-	-	Describe the Post
Post_pic	Varchar(500)	-	-	Photo in Post
Fk_user_id	Varchar(50)	Foreign Key	-	User who posted this Post
Fk_comm_id	Integer	Foreign Key	-	Under which Community
Date	Date	Not Null	-	Date Created Post.

Likes

Field	Data-Type	Constrains	Remarks	Description

Like_id	Integer	Primary Key	Auto-Increment	Like id
Fk_post_id	Integer	Foreign Key	-	Under which Post
Fk_user_id	Varchar(50)	Foreign Key	-	Who liked?

Comments

Field	Data-Type	Constrains	Remarks	Description
Com_Id	Integer	Primary Key	Auto-Increment	Comment id
Fk_post_id	Integer	Foreign Key	-	Under which post
Fk_user_id	Varchar(50)	Foreign Key	-	Who commented?
Date	Date	Not Null	-	Date Created
Com_des	Varchar(300)	Not Null	-	Content of Comment

RSVP

Field	Data-Type	Constrains	Remarks	Description
Rsvp_id	Integer	Primary Key	Auto-Increment	RSVP id

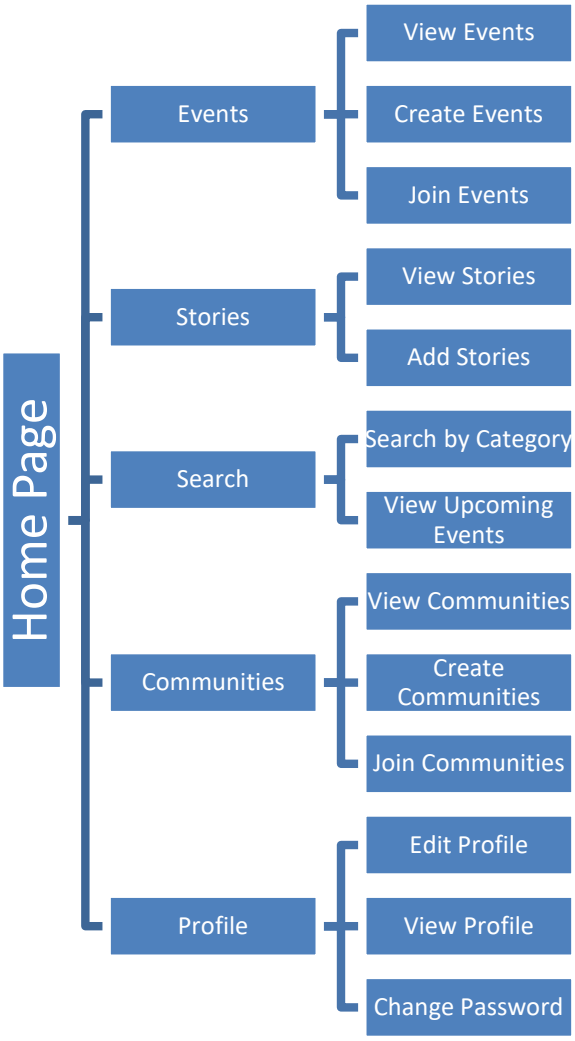
Fk_user_id	Varchar(50)	Foreign Key	-	Users attending event
Fk_event_id	Varchar(50)	Foreign Key	-	Which event user is going to attend?

Polls

Field	Data-Type	Constrains	Remarks	Description
Poll_id	Integer	Primary Key	Auto-Increment	Poll Id
Poll_title	Varchar(100)	Not Null	-	Tag line of Poll
Option1	Varchar(50)	Not Null	-	First opinion of poll
Option2	Varchar(50)	Not Null	-	Second opinion of Poll
Option3	Varchar(50)	-	-	Third opinion of Poll
Option4	Varchar(50)	-	-	Fourth opinion of Poll
Fk_user_id	Varchar(50)	Not Null	-	Who Created?
Fk_comm_id	Integer	Not Null	-	Under Which Community?

Categories

Field	Data-Type	Constrains	Remarks	Description
Cat_id	Integer	Primary Key	Auto-Increment	Category Id
Cat_name	Varchar(20)	Not Nulll	-	Category Name

[4.4] User Interface

[4.5] System Navigation