INTRODUCTION

Plogging is a combination of jogging with picking up litter (merging the Swedish verbs ‘plocka upp’ (pickup) and ‘jogga’ (jog). It started as an organized activity in Sweden around 2016 and spread in other countries in 2018.

Plogging is an eco-friendly exercise through which people pickup trash while jogging or brisk walking as a way to clean up litter and also take care of their health.

The Project deals with managing and tracking of records. The records include events which are followed by different ploggers accordingly. In this system each plogger will have updates of upcoming events and history of donations. Information or updates can be accessed accordingly, for example – about particular site at time of plogging. And ploggers can also upload pictures while plogging.

OBJECTIVE AND SCOPE

Main objective of the project on Ploggers is to manage the details of Events, Posts, Gallery, Donations and Registration. It manages all the information about Events, Payments, Ploggers. This project is built at administration end and admin is guaranteed the access, while giving user access to certain features. Admin has rights to upload the updates regarding events and ploggers can access those events.

METHODOLOGY

- Understood how the system works.
- Identified the problem and came up with the solution.
- Researched about if such system exists.
- Considered the machine specifications required to make this idea work.

MODULES OF THE SYSTEM

- Ploggers Dashboard: Used for managing the Ploggers details.
- Events Module: Used for managing the details of Events.
- New Post and View Post Module: Used for the details about the posts.
- Donation Module: Used for managing the information and details of the Donor.
- Login Module: Used for managing the login details.
- Users Module: Used for managing the users of the system.

ANALYSIS

- ## Feasibility Study –

Feasibility study is a preliminary study undertaken to determine and document a project's viability. The term feasibility study is also used to refer to the resulting document. These results of this study are used to make a decision whether to proceed with the project, or table it.
Example, it can decide whether an order processing be carried out by a new system more efficiently than previous one.

Technical Feasibility –

This involves questions such as whether the technology needed for the system exists, how difficult it will be to build, and whether the firm has enough experience using that technology. The assessment is based on an outline design of system requirements in terms of Input, Processes, Output, Fields, Programs and Procedures. This can be qualified in terms of volumes of data, trends, frequency of updating in order to give an introduction to the technical system. This system is too flexible and it can be expanded further. This system can give guarantee of accuracy, ease of use, reliability and data security.

Operational Feasibility –

It is to find out whether the current work practices and procedures support a new system.
Also, social factors i.e., how the organizational changes will affect the working lives of those affected by the system.

Financial and Economic Feasibility –

Establishing the cost-effectiveness of the proposed system i.e., if the benefits do not outweigh the cost, then it is not worth going ahead.
In the fast-paced world today, there is a great need of online social networking facilities. Thus, the benefits of this project in the current scenario make it economically feasible. Economically, this project is completely feasible and because it requires no extra financial investment and with respect to time it's possible to complete it within 2 months.

- **Hardware and Software Requirements –**

- A Laptop / Computer
- JSP
- MySQL database
- Windows Operating System

DESIGN

- **Database Table designing –**

1. **PLOGGER**

Fields	Data Type	Description	Keys
uid	int	User Id	Primary Key
fname	varchar	First Name	-
lname	varchar	Last Name	-
mob	int	Mobile no	-
email	varchar	Email Id	-
city	varchar	City Name	-
uname	varchar	User Name	-
password	varchar	Password	-

2. **DONOR**

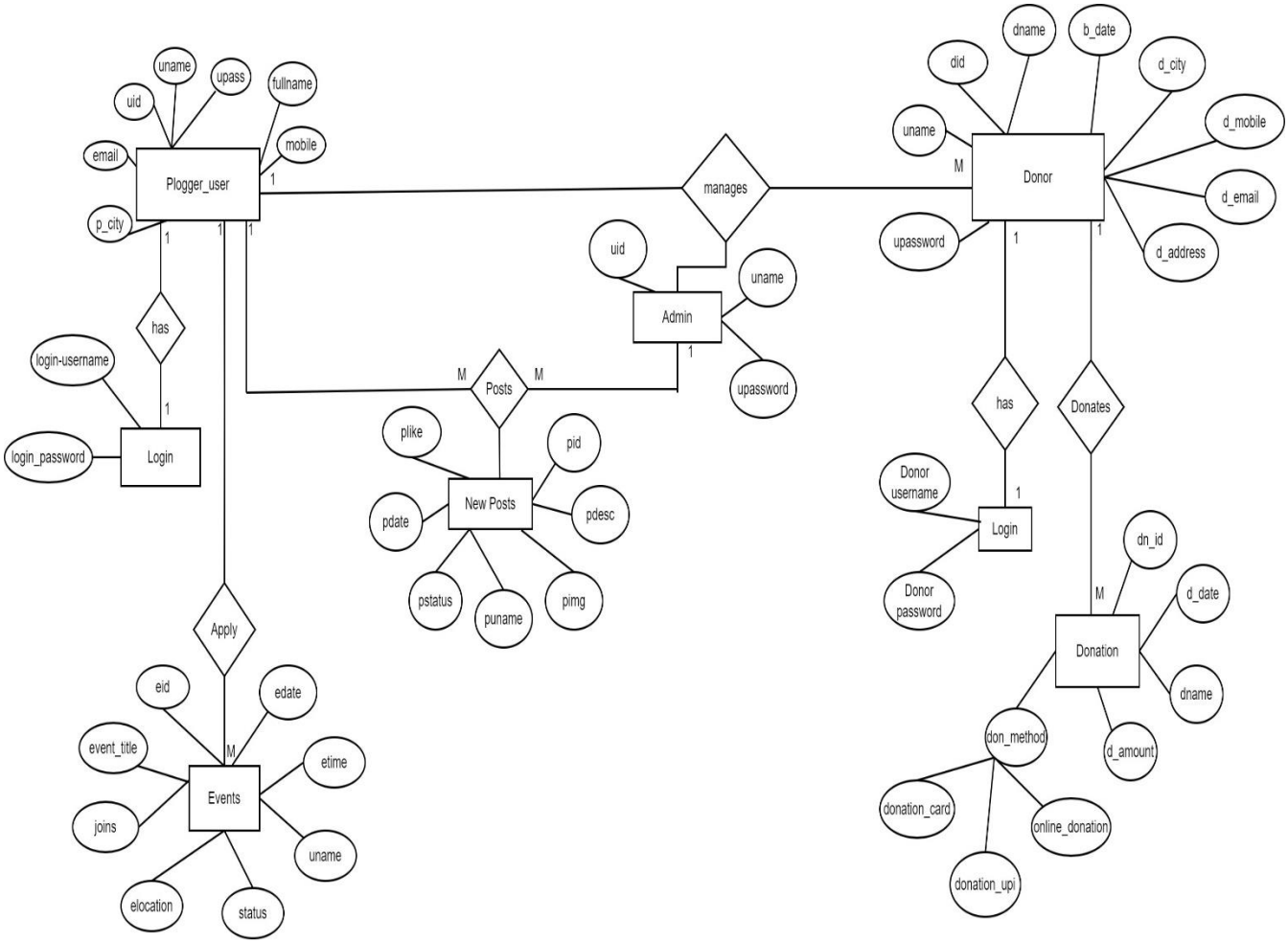
Fields	Data Type	Description	Keys
uid	int	User Id	Foreign Key
name	varchar	Name	-
mob	int	Mobile no	-
email	varchar	Email Id	-
city	varchar	City Name	-
uname	varchar	User Name	-
password	varchar	Password	-
date	int	Date	-
did	int	Donation Id	Primary Key

3. **ADMIN**

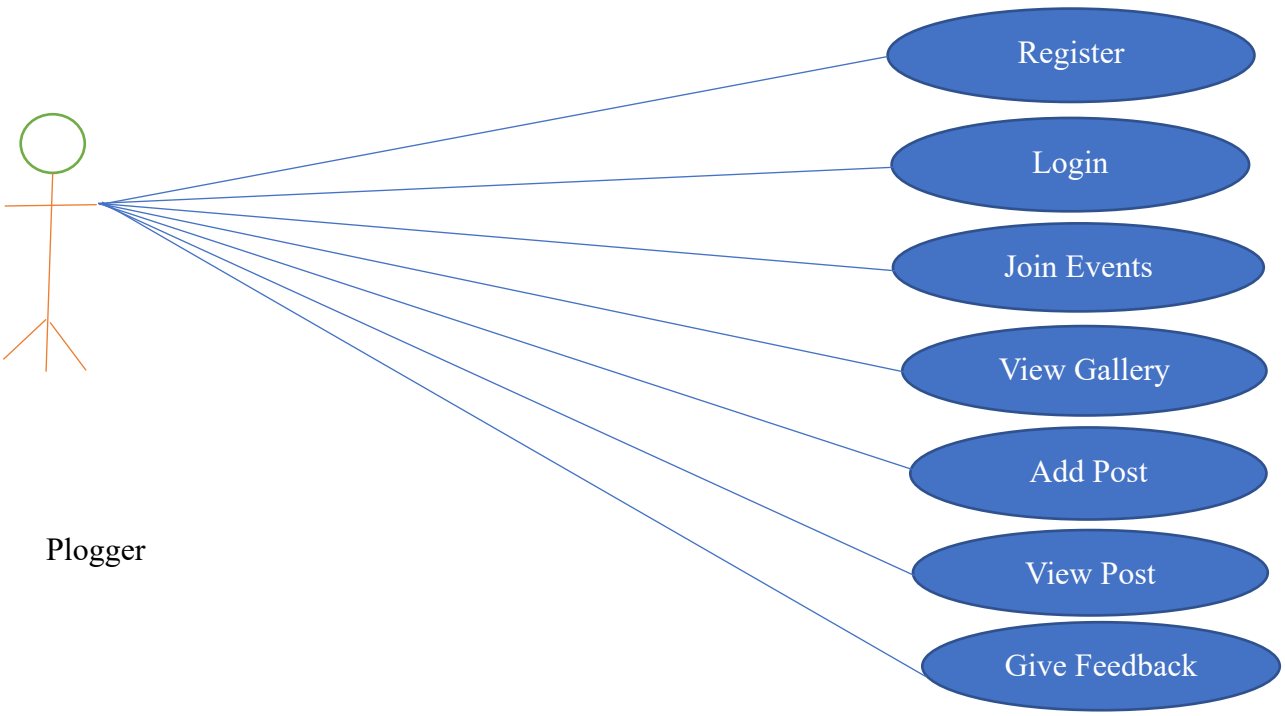
Fields	Data Type	Description	Keys
uid	int	User Id	Foreign Key
did	int	Donor Id	Foreign Key
events	int	Total Events	-
total reviews	varchar	Feedback	-

SOFTWARE ENGINEERING DIAGRAMS

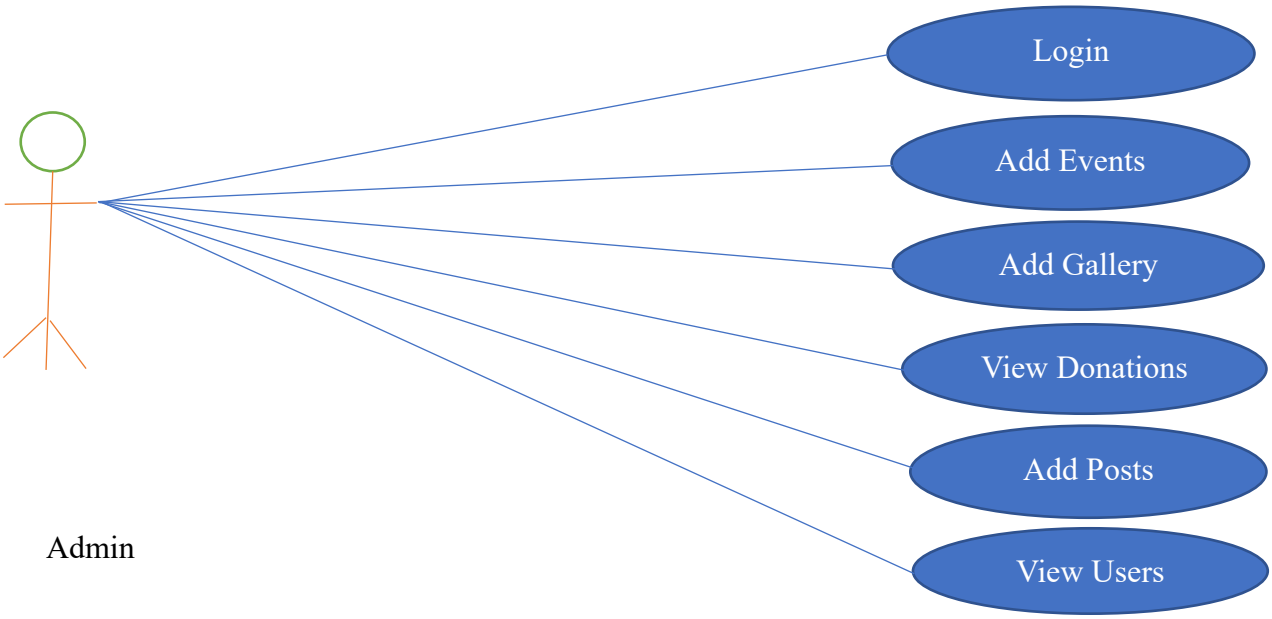
ER Diagram –

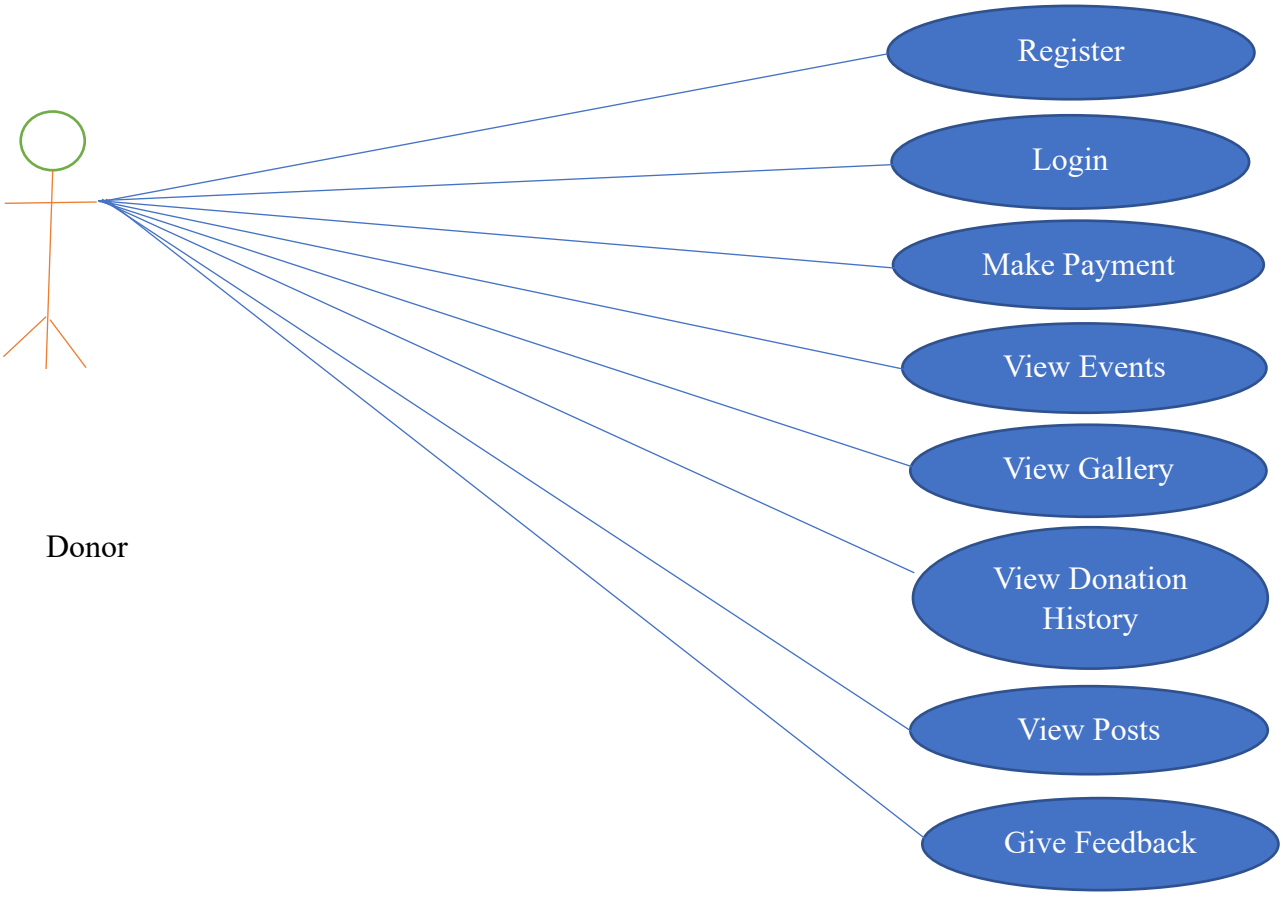


Use-Case Diagram –

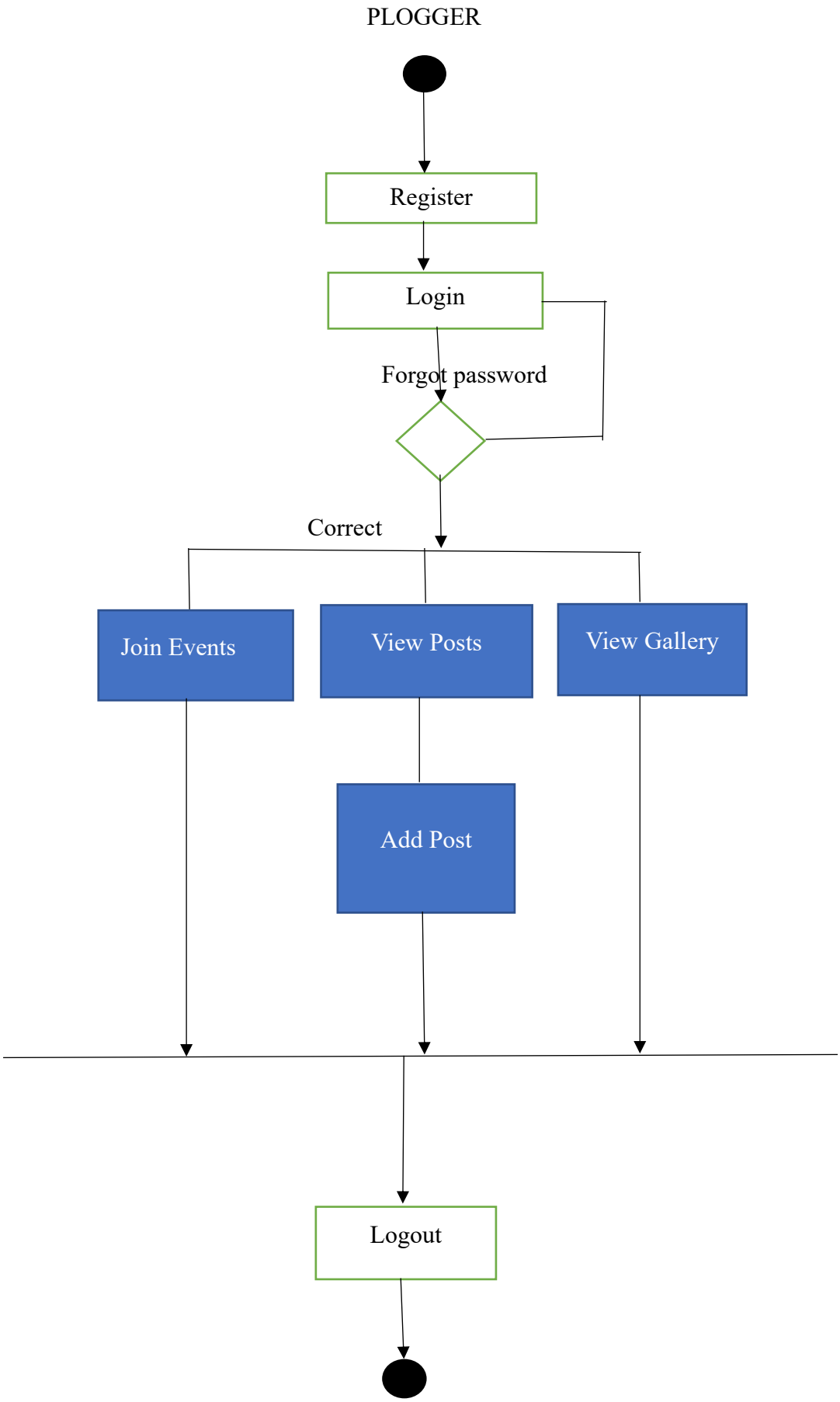


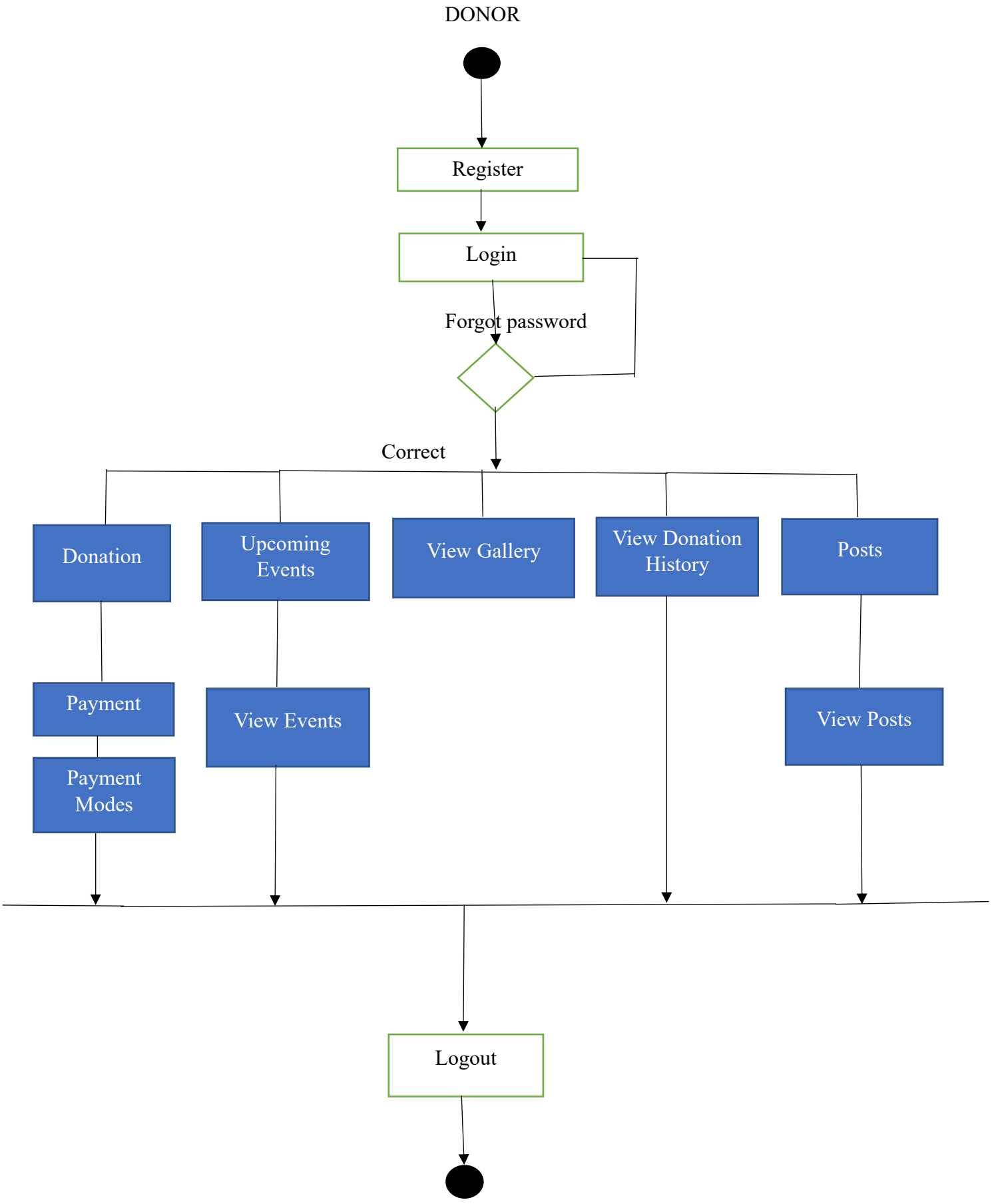
Plogger

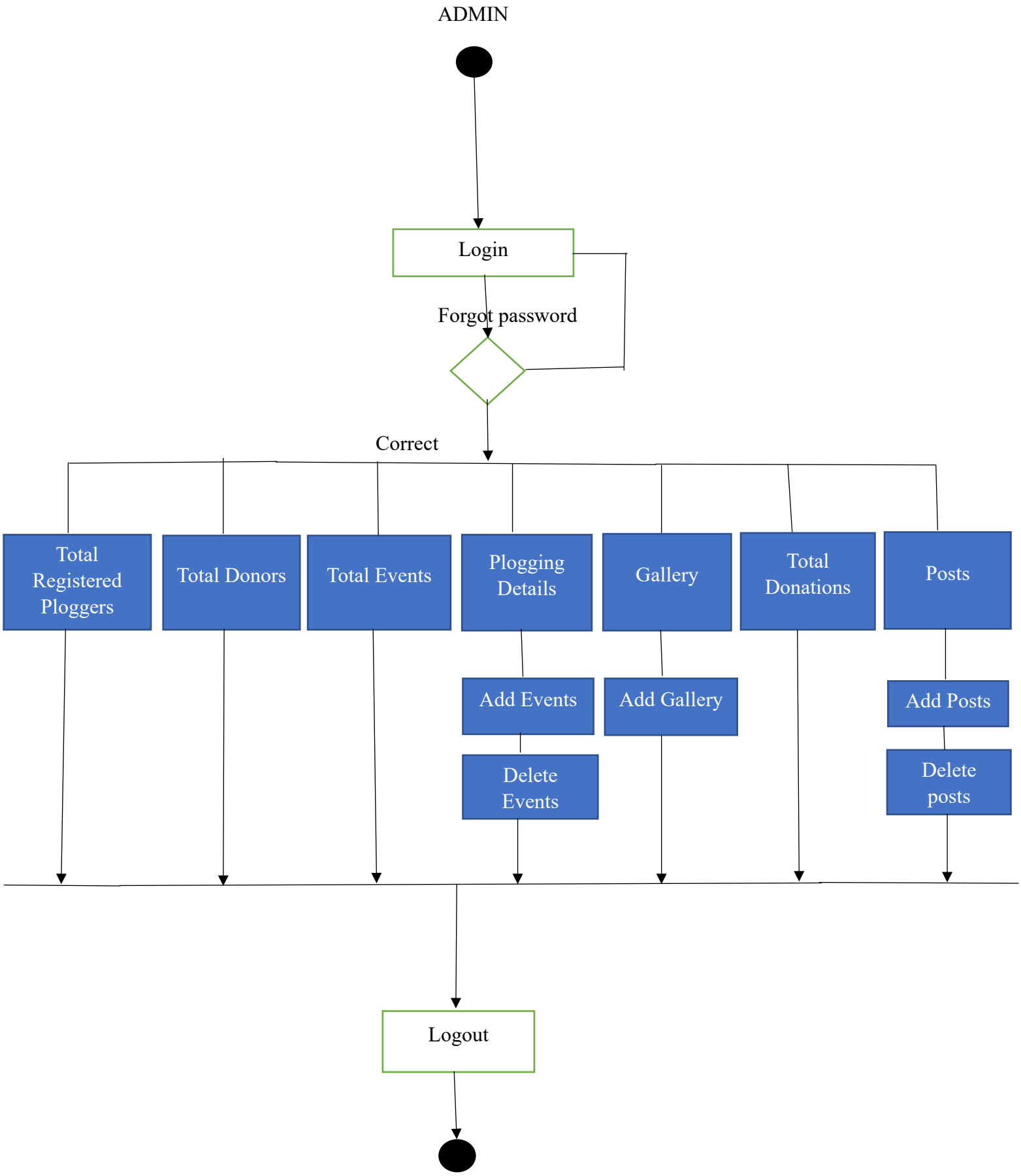

Login
Add Events
Add Gallery
View Donations
Add Posts
View Users
Admin


Register
Login
Make Payment
View Events
View Gallery
View Donation History
View Posts
Give Feedback
Donor

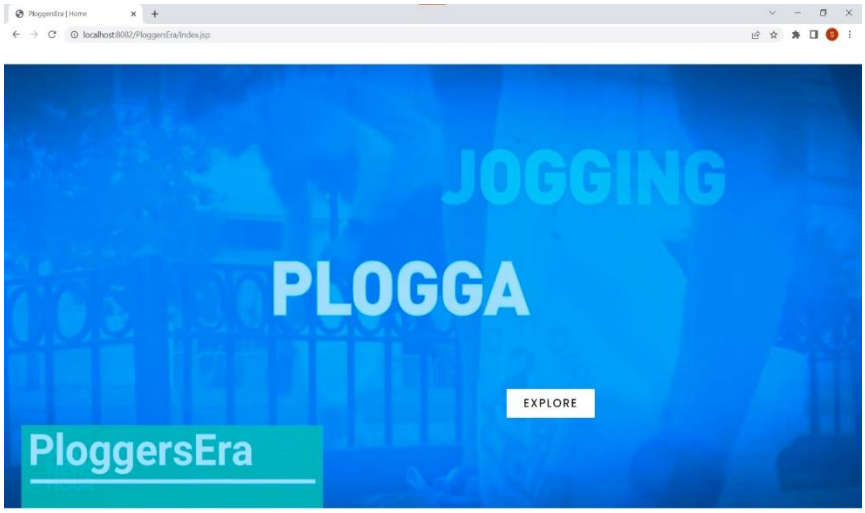
Activity Diagram –

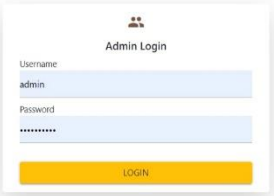


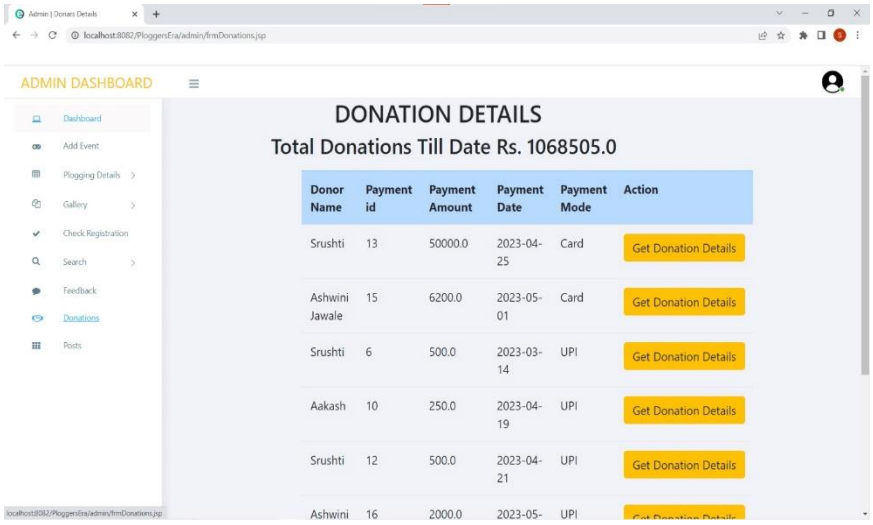

DONOR
Register
Login
Forgot password
Correct
Donation
Upcoming Events
View Gallery
View Donation History
Posts
Payment
Payment Modes
View Events
View Posts
Logout

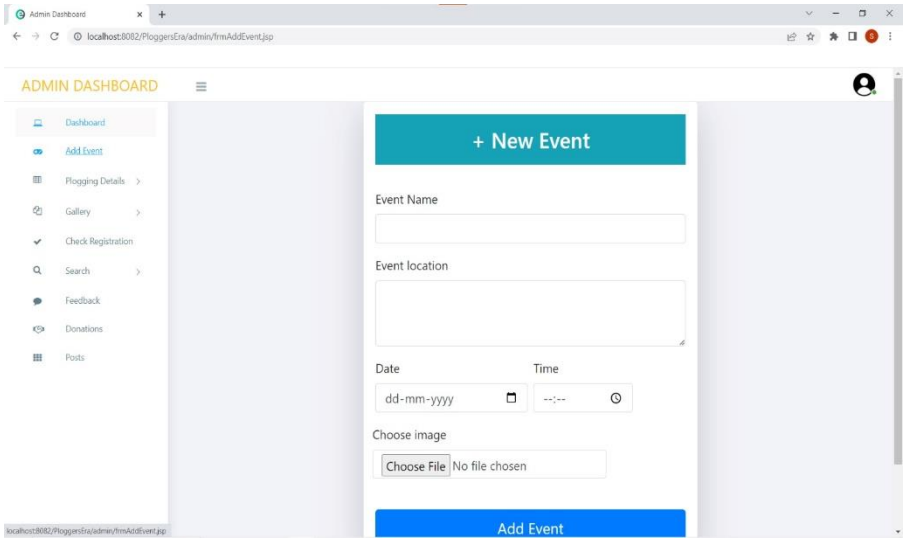

ADMIN
Login
Forgot password
Correct
Total Registered Ploggers
Total Donors
Total Events
Plogging Details
Gallery
Total Donations
Posts
Add Events
Add Gallery
Add Posts
Delete Events
Delete posts
Logout

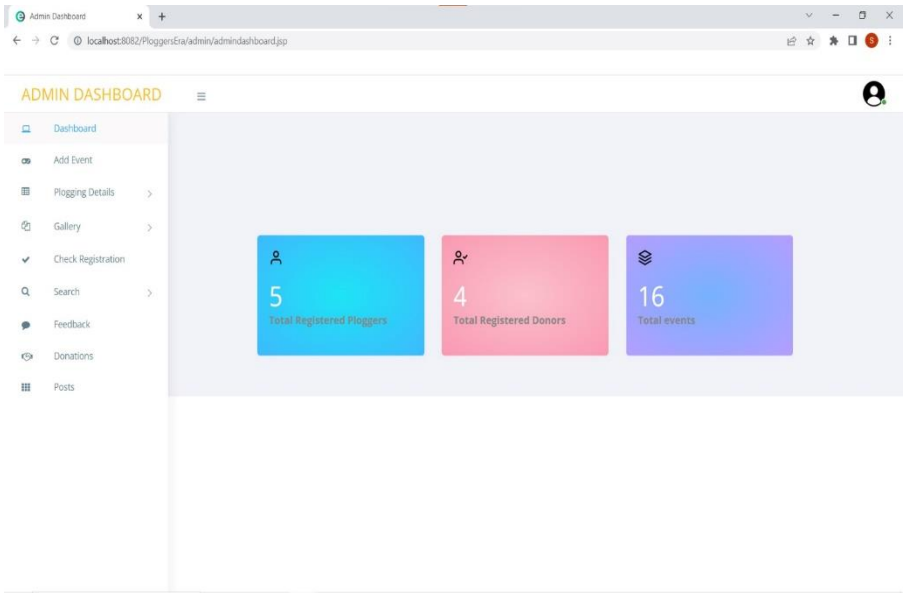
INPUT / OUTPUT SCREENS

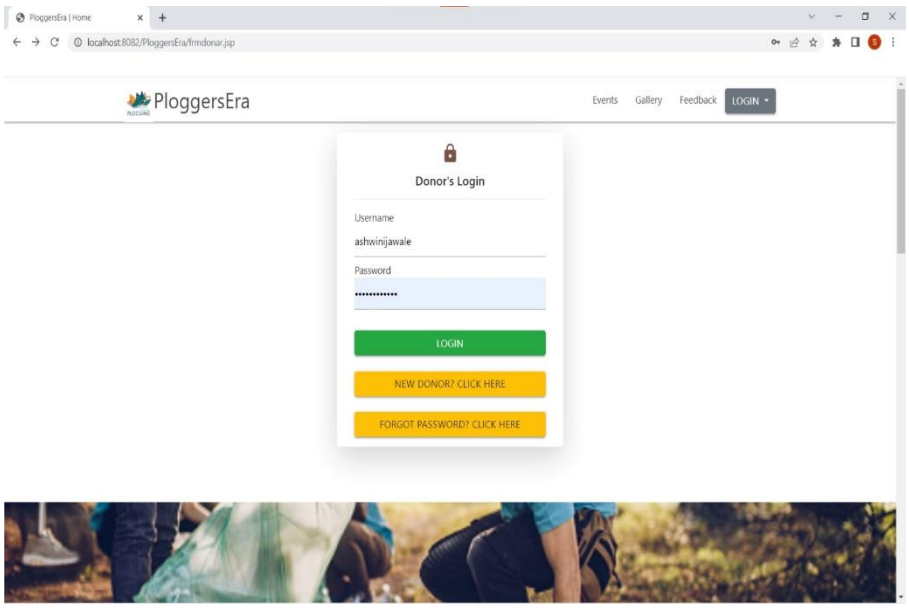


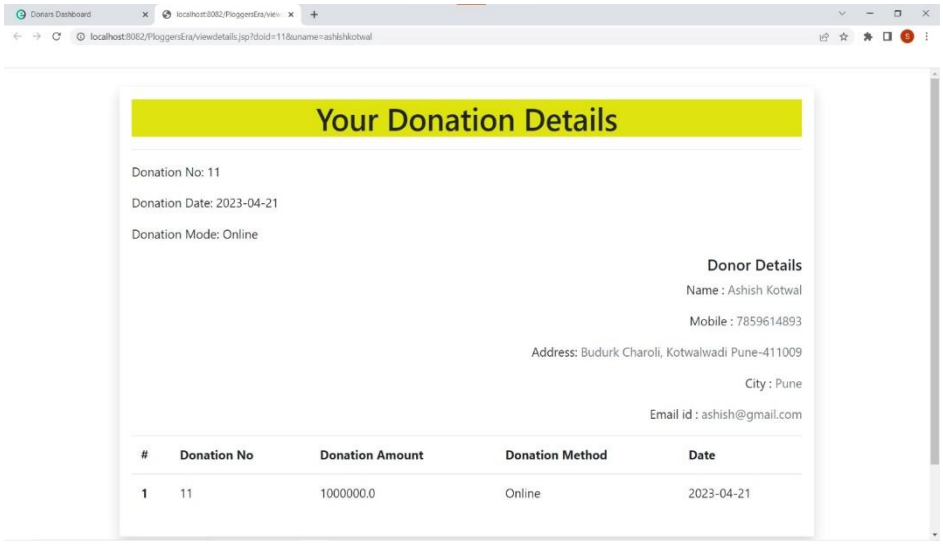


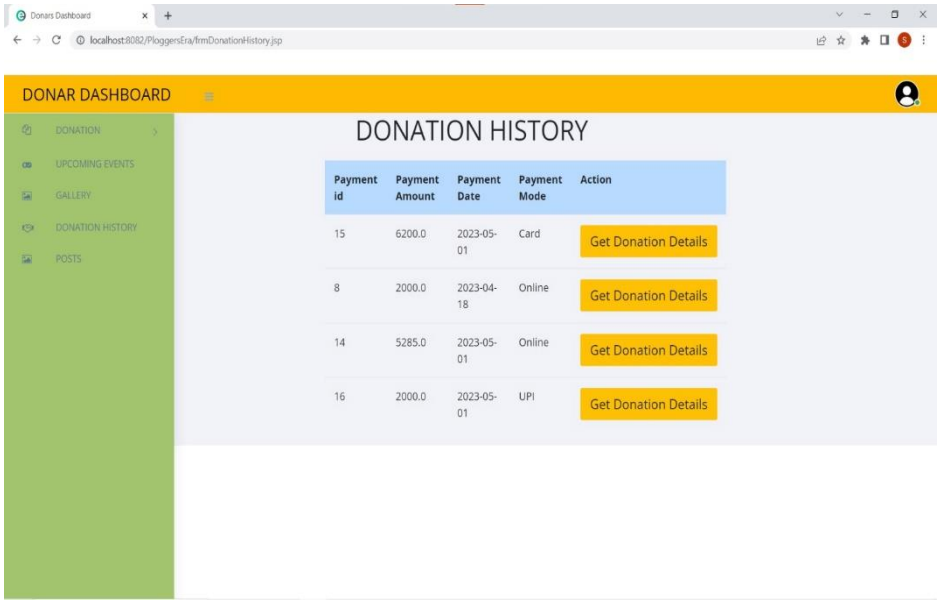


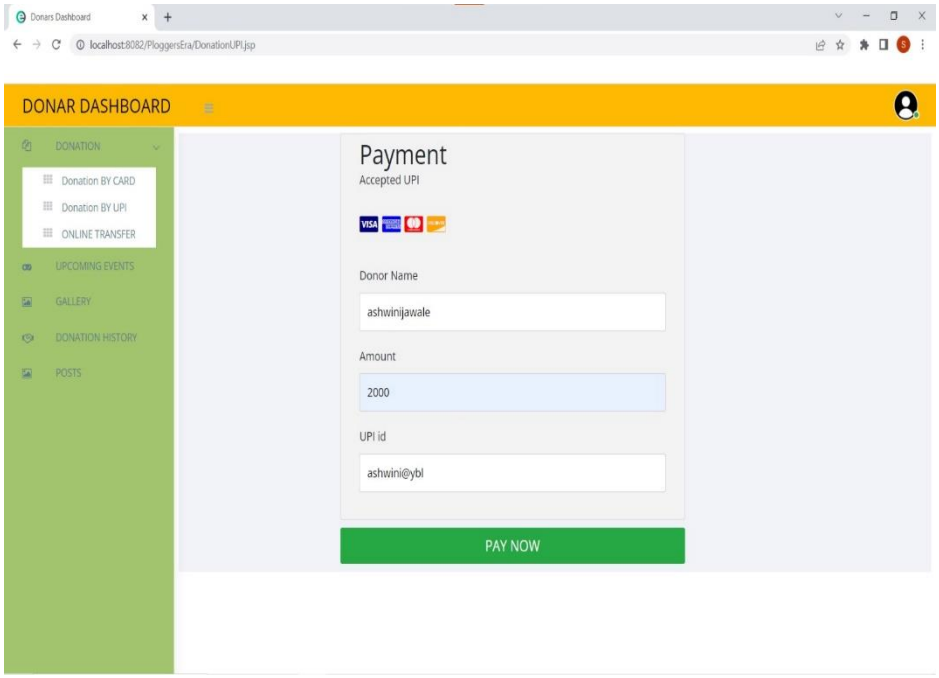

Admin Dashboard
localhost:8082/PloggersEra/admin/frmAddEvent.jsp
ADMIN DASHBOARD
Dashboard
Add Event
Plogging Details
Gallery
Check Registration
Search
Feedback
Donations
Posts
+ New Event
Event Name
Event location
Date
Time
dd-mm-yyyy
--:--
Choose image
Choose File
No file chosen
Add Event

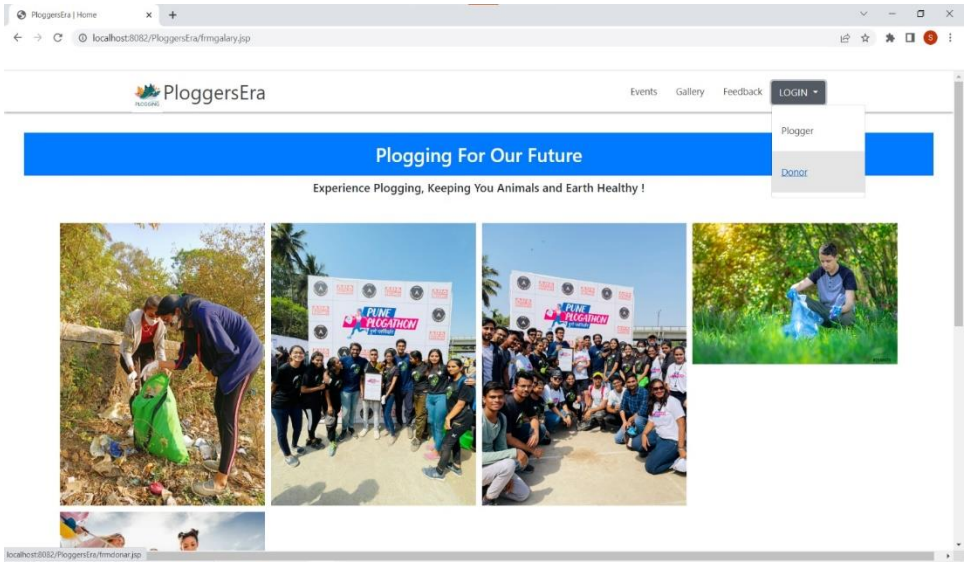

Admin Dashboard
localhost:8082/PloggersEra/admin/admindashboard.jsp
ADMIN DASHBOARD
Dashboard
Add Event
Plogging Details
Gallery
Check Registration
Search
Feedback
Donations
Posts
5
Total Registered Ploggers
4
Total Registered Donors
16
Total events

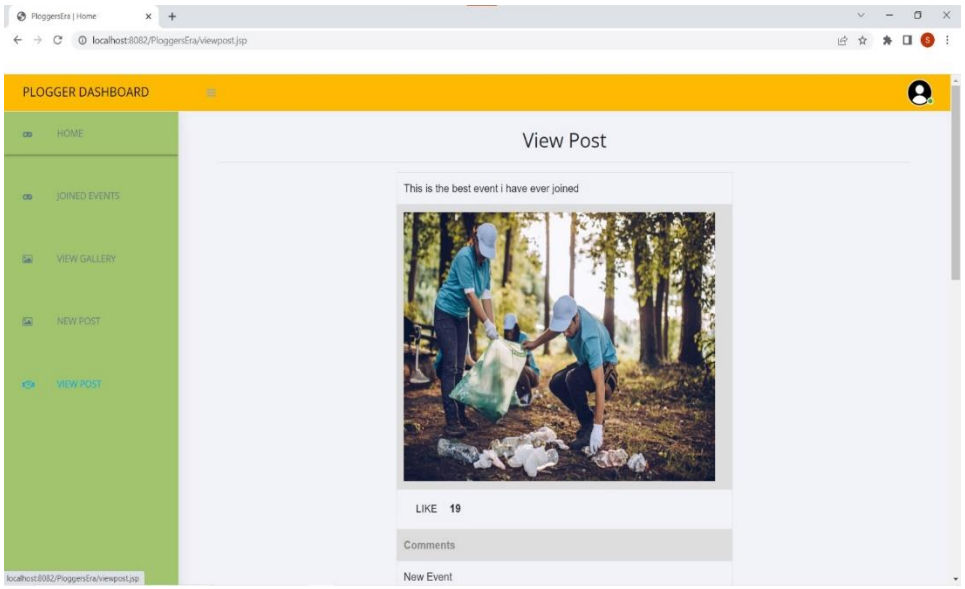

PloggersEra | Home
localhost:8082/PloggersEra/frmdonar.jsp
PloggersEra
Events
Gallery
Feedback
LOGIN
Donor's Login
Username
ashwinijawale
Password
LOGIN
NEW DONOR? CLICK HERE
FORGOT PASSWORD? CLICK HERE

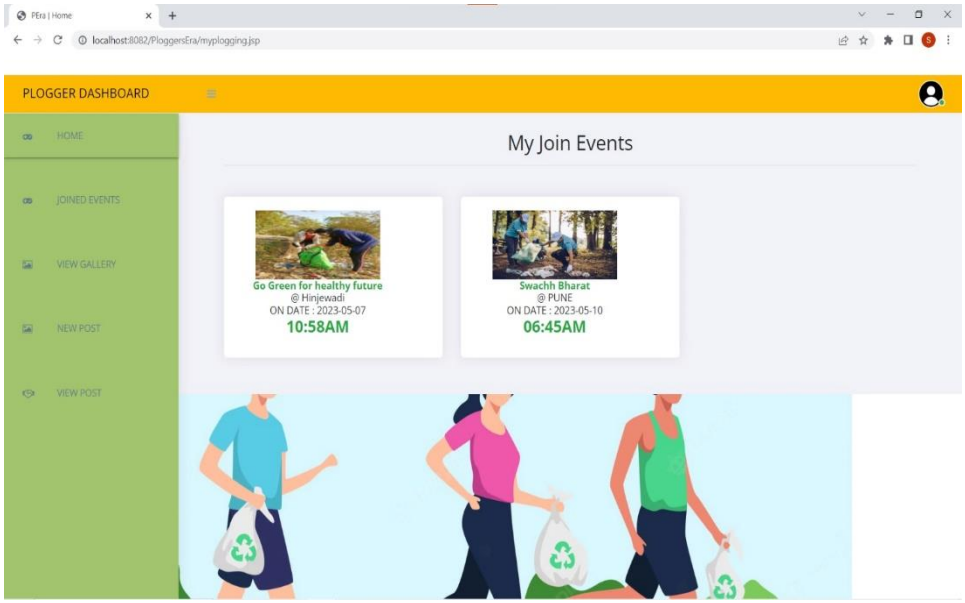

Donars Dashboard
localhost:8082/PloggersEra/viewdetails.jsp?doid=11&uname=ashishkotwal
Your Donation Details
Donation No: 11
Donation Date: 2023-04-21
Donation Mode: Online
Donor Details
Name : Ashish Kotwal
Mobile : 7859614893
Address: Budurk Charoli, Kotwalwadi Pune-411009
City : Pune
Email id : ashish@gmail.com
Donation No Donation Amount Donation Method Date
1 11 1000000.0 Online 2023-04-21

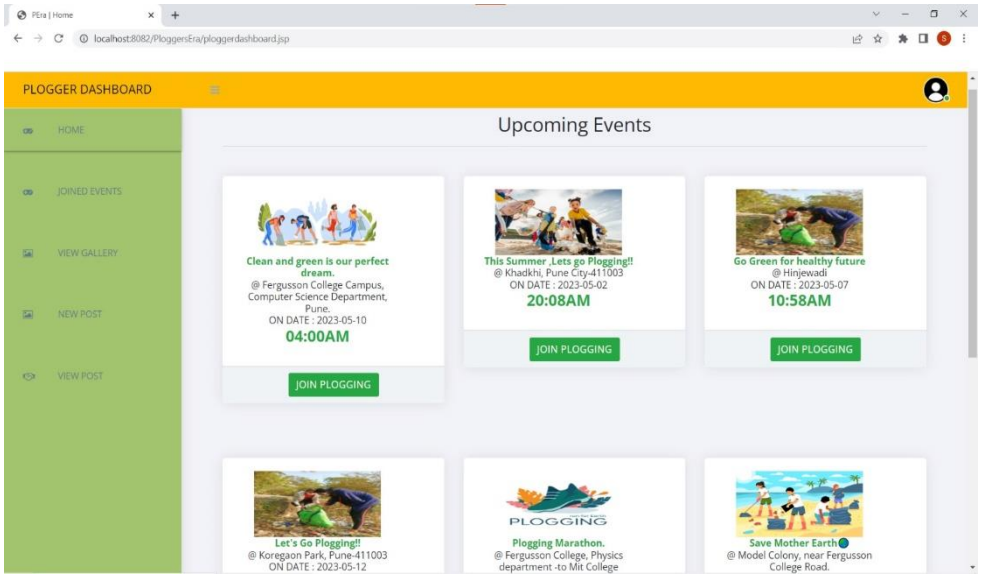

Donars Dashboard
localhost:8082/PloggersEra/frmDonationHistory.jsp
DONAR DASHBOARD
DONATION
UPCOMING EVENTS
GALLERY
DONATION HISTORY
POSTS
DONATION HISTORY
Payment id
Payment Amount
Payment Date
Payment Mode
Action
15 6200.0 2023-05-01 Card Get Donation Details
8 2000.0 2023-04-18 Online Get Donation Details
14 5285.0 2023-05-01 Online Get Donation Details
16 2000.0 2023-05-01 UPI Get Donation Details

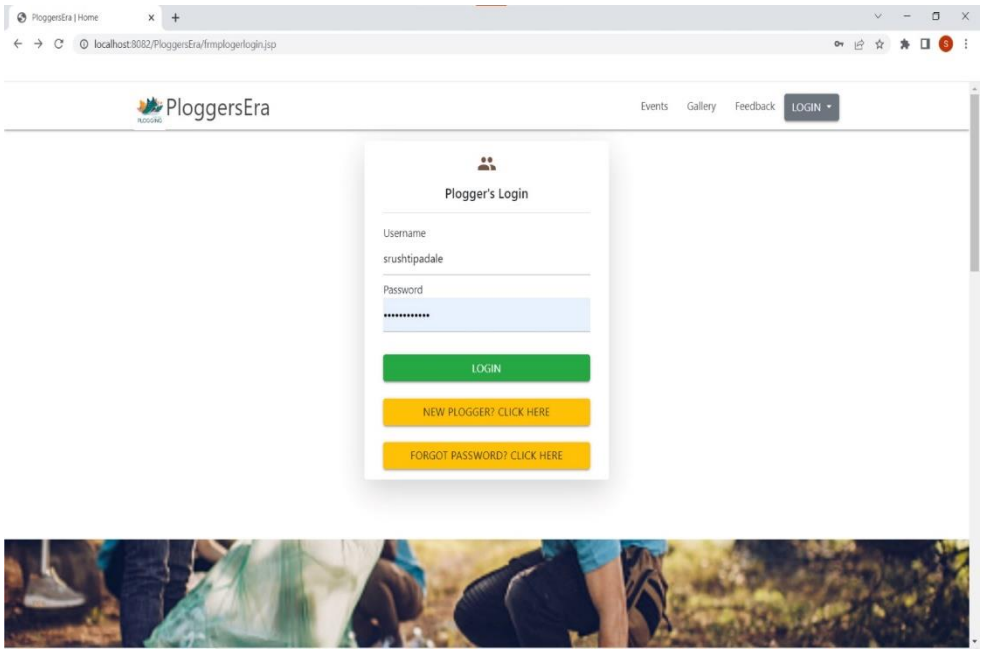

Donars Dashboard
localhost:8082/PloggersEra/DonationUPI.jsp
DONAR DASHBOARD
DONATION
Donation BY CARD
Donation BY UPI
ONLINE TRANSFER
UPCOMING EVENTS
GALLERY
DONATION HISTORY
POSTS
Payment
Accepted UPI
Donor Name
ashwinijawale
Amount
2000
UPI id
ashwini@ybl
PAY NOW

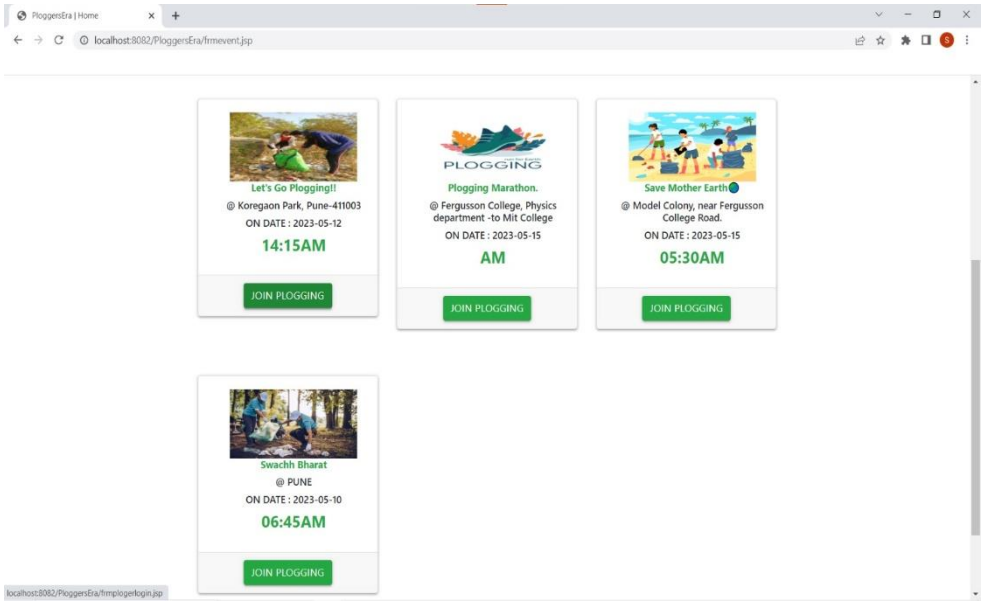

PloggersEra | Home
localhost:8082/PloggersEra/frmgalary.jsp
PloggersEra
Events
Gallery
Feedback
LOGIN
Plogger
Donor
Plogging For Our Future
Experience Plogging, Keeping You Animals and Earth Healthy !
localhost:8082/PloggersEra/frmdonar.jsp

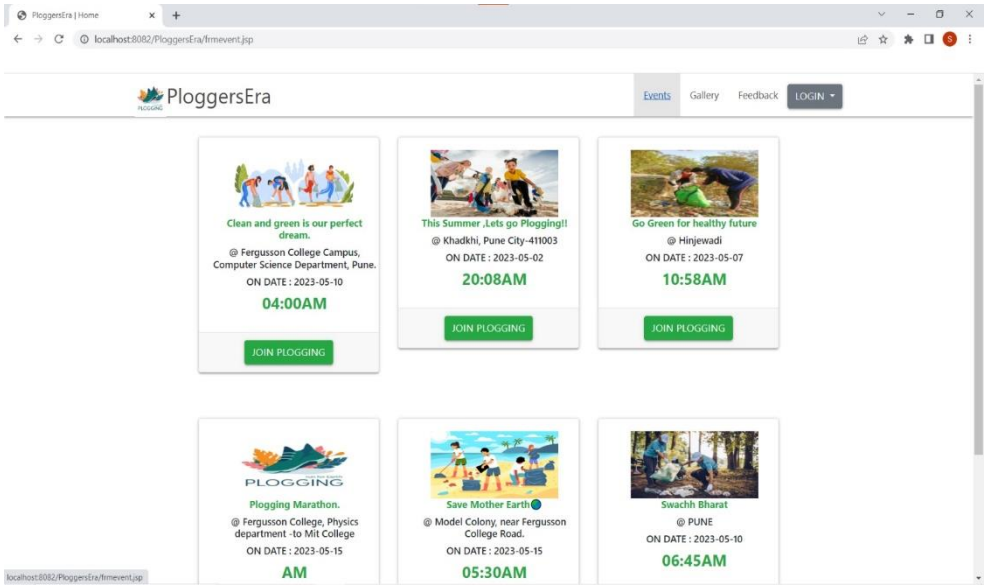

PloggersEra | Home
localhost:8082/PloggersEra/viewpost.jsp
PLOGGER DASHBOARD
HOME
JOINED EVENTS
VIEW GALLERY
NEW POST
VIEW POST
View Post
This is the best event i have ever joined
LIKE 19
Comments
New Event
localhost:8082/PloggersEra/viewpost.jsp

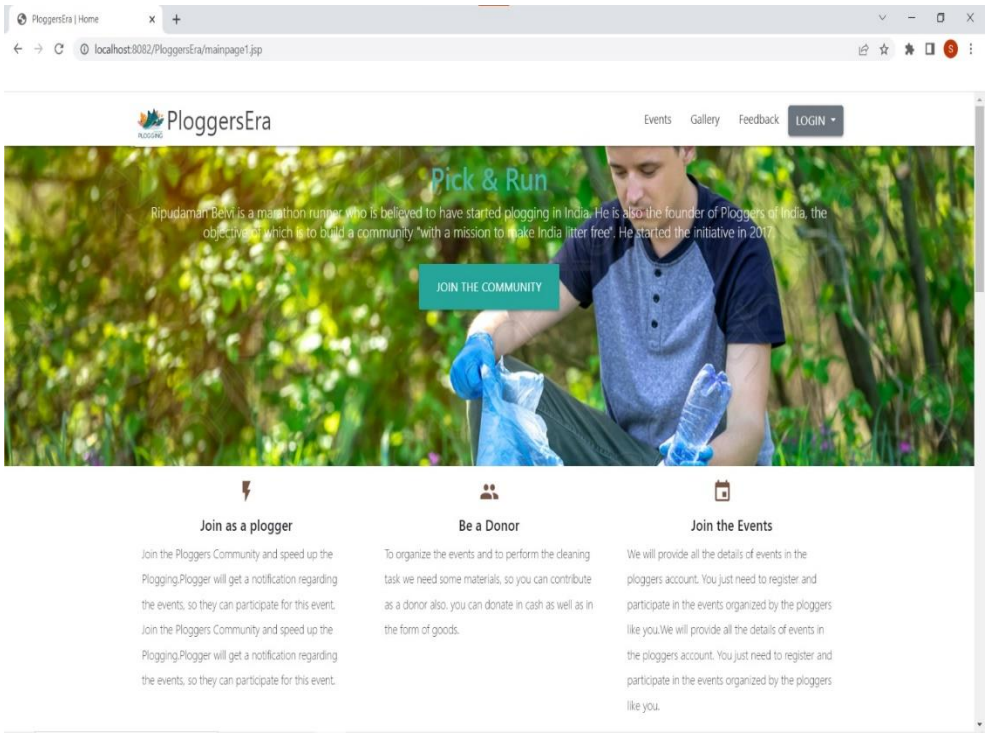

PEra | Home
localhost:8082/PloggersEra/myplogging.jsp
PLOGGER DASHBOARD
HOME
JOINED EVENTS
VIEW GALLERY
NEW POST
VIEW POST
My Join Events
Go Green for healthy future
@ Hinjewadi
ON DATE : 2023-05-07
10:58AM
Swachh Bharat
@ PUNE
ON DATE : 2023-05-10
06:45AM


PEra | Home
localhost:8082/PloggersEra/ploggerdashboard.jsp
PLOGGER DASHBOARD
HOME
JOINED EVENTS
VIEW GALLERY
NEW POST
VIEW POST
Upcoming Events
Clean and green is our perfect dream.
@ Fergusson College Campus, Computer Science Department, Pune.
ON DATE : 2023-05-10
04:00AM
JOIN PLOGGING
This Summer ,Lets go Plogging!!
@ Khadkhi, Pune City-411003
ON DATE : 2023-05-02
20:08AM
JOIN PLOGGING
Go Green for healthy future
@ Hinjewadi
ON DATE : 2023-05-07
10:58AM
JOIN PLOGGING
Let's Go Plogging!!
@ Koregaon Park, Pune-411003
ON DATE : 2023-05-12
PLOGGING
Plogging Marathon.
@ Fergusson College, Physics department -to Mit College
Save Mother Earth
@ Model Colony, near Fergusson College Road.


PloggersEra | Home
localhost:8082/PloggersEra/frmplogerlogin.jsp
PloggersEra
Events
Gallery
Feedback
LOGIN
Plogger's Login
Username
srushtipadale
Password
LOGIN
NEW PLOGGER? CLICK HERE
FORGOT PASSWORD? CLICK HERE


PloggersEra | Home
localhost:8082/PloggersEra/frmevent.jsp
Let's Go Plogging!!
@ Koregaon Park, Pune-411003
ON DATE : 2023-05-12
14:15AM
JOIN PLOGGING
PLOGGING
Plogging Marathon.
@ Fergusson College, Physics department -to Mit College
ON DATE : 2023-05-15
AM
JOIN PLOGGING
Save Mother Earth
@ Model Colony, near Fergusson College Road.
ON DATE : 2023-05-15
05:30AM
JOIN PLOGGING
Swachh Bharat
@ PUNE
ON DATE : 2023-05-10
06:45AM
JOIN PLOGGING
localhost:8082/PloggersEra/frmplogerlogin.jsp


PloggersEra | Home
localhost:8082/PloggersEra/frmevent.jsp
PloggersEra
Events
Gallery
Feedback
LOGIN
Clean and green is our perfect dream.
@ Fergusson College Campus, Computer Science Department, Pune.
ON DATE : 2023-05-10
04:00AM
JOIN PLOGGING
This Summer ,Lets go Plogging!!
@ Khadkhi, Pune City-411003
ON DATE : 2023-05-02
20:08AM
JOIN PLOGGING
Go Green for healthy future
@ Hinjewadi
ON DATE : 2023-05-07
10:58AM
JOIN PLOGGING
PLOGGING
Plogging Marathon.
@ Fergusson College, Physics department -to Mit College
ON DATE : 2023-05-15
AM
Save Mother Earth
@ Model Colony, near Fergusson College Road.
ON DATE : 2023-05-15
05:30AM
Swachh Bharat
@ PUNE
ON DATE : 2023-05-10
06:45AM
localhost:8082/PloggersEra/frmevent.jsp


PloggersEra | Home
localhost:8082/PloggersEra/mainpage1.jsp
PloggersEra
Events
Gallery
Feedback
LOGIN
Pick & Run
Ripudaman Belvi is a marathon runner who is believed to have started plogging in India. He is also the founder of Ploggers of India, the objective of which is to build a community "with a mission to make India litter free". He started the initiative in 2017.
JOIN THE COMMUNITY
Join as a plogger
Join the Ploggers Community and speed up the Plogging.Plogger will get a notification regarding the events, so they can participate for this event. Join the Ploggers Community and speed up the Plogging.Plogger will get a notification regarding the events, so they can participate for this event.
Be a Donor
To organize the events and to perform the cleaning task we need some materials, so you can contribute as a donor also. you can donate in cash as well as in the form of goods.
Join the Events
We will provide all the details of events in the ploggers account. You just need to register and participate in the events organized by the ploggers like you.We will provide all the details of events in the ploggers account. You just need to register and participate in the events organized by the ploggers like you.

TESTING

Testing is the stage of implementation, which is aimed at ensuring that the system works accurately and efficiently before live operation commences.
The logical design and physical is thoroughly and continually examined on paper to ensure that they will work when implemented.

Thus, the system test in implementation was a confirmation that all is correct and an opportunity to show the users that the system works.

- **Black Box Testing -**

Test cases are designed from an examination of the Input/Output values only and no knowledge of designing or coding is required.

Test Case Design –

Any engineered product can be tested in two ways:

Knowing the specified function that a product has been designed to perform, tests can be conducted to demonstrate each function is fully operational.

Knowing the internal working of a product, tests can be conducted to ensure that all the internal operation of the product performs according to the specification.

TEST CASES – (Black Box Testing)

TID	Test Case	Input	Result	Expected Result	Test Result
T01	User Registration	ash@gmail.com	Registration Successful	Registration Successful	Pass
T02	User Registration	Srushti@gmail.com	Registration Successful	Registration Successful	Pass
T03	User Registration	Username Must be 6 -10 Characters long, Upper Case or Special Symbol Not Allowed	Login Fail	Login Fail	Pass
T04	User Login	Invalid Name	Login Fail	Login Fail	Pass
T05	Search	Ashwini	User Found	User should be displayed	Pass
T06	Add Event	Add Event	Event Added Successfully	Event Added Successfully	Pass
T07	Admin Activates Event	Admin Activates an Inactive Event	Active Event added Successfully	Active Event Added Successfully	Pass
T08	Admin Adds a New Event	Admin Updates an Event	Event Added Successfully	Event Added Successfully	Pass
T09	User Feedback	Add Feedback	Feedback Added Successfully	Feedback Added Successfully	Pass

DRAWBACKS AND LIMITATIONS

Security concerns: Online payment transactions can be vulnerable to security breaches and fraudulent activities online. So, the website needs to

ensure that they have proper security measures in place to protect donor's private data and prevent any unauthorized access to their system.

FUTURE ENHANCEMENT

1. **Notifications via SMS –** Since people use mobile phone because it's handy and comfortable to use. So, it is necessary to update users via SMS or emails about the upcoming events and also provide website link "Click here to know more".
2. **Providing membership –** Once the user is a Plogging member or a donor, the website should provide memberships so that the user is able to receive its benefits. Whereas, a donor could able to learn about different benefits for future donations.
3. **Social media integration –** Integrating social media into website can provide an additional marketing channel, as well as enable the users to share their feedbacks and view upcoming events and discuss queries.

CONCLUSION

The software that includes all the basic functionalities like making data entries for new ploggers, events and live updates, registering a new user, editing and deleting records that are required for smooth functioning of a project. It also facilitates to create new user groups and edit their access levels and functions (like that of posting live events). Apart from this, the users are also given the rights to not only keep track of the records but they too can search for the new resources that interest them.