



CITY UNIVERSITY

Department of Computer Science and Engineering
CSE 498, Project & Presentation, Fall-2024

Defense on
City University Lost and Found Portal

Submitted by

Bappy Layla – 2015302003

Md. Sakib Khan Mojlish - 1935202081

Md. Asadul Islam - 1935202091

Sukhi Begum - 2015302007

Supervised by

Mehedi Hasan

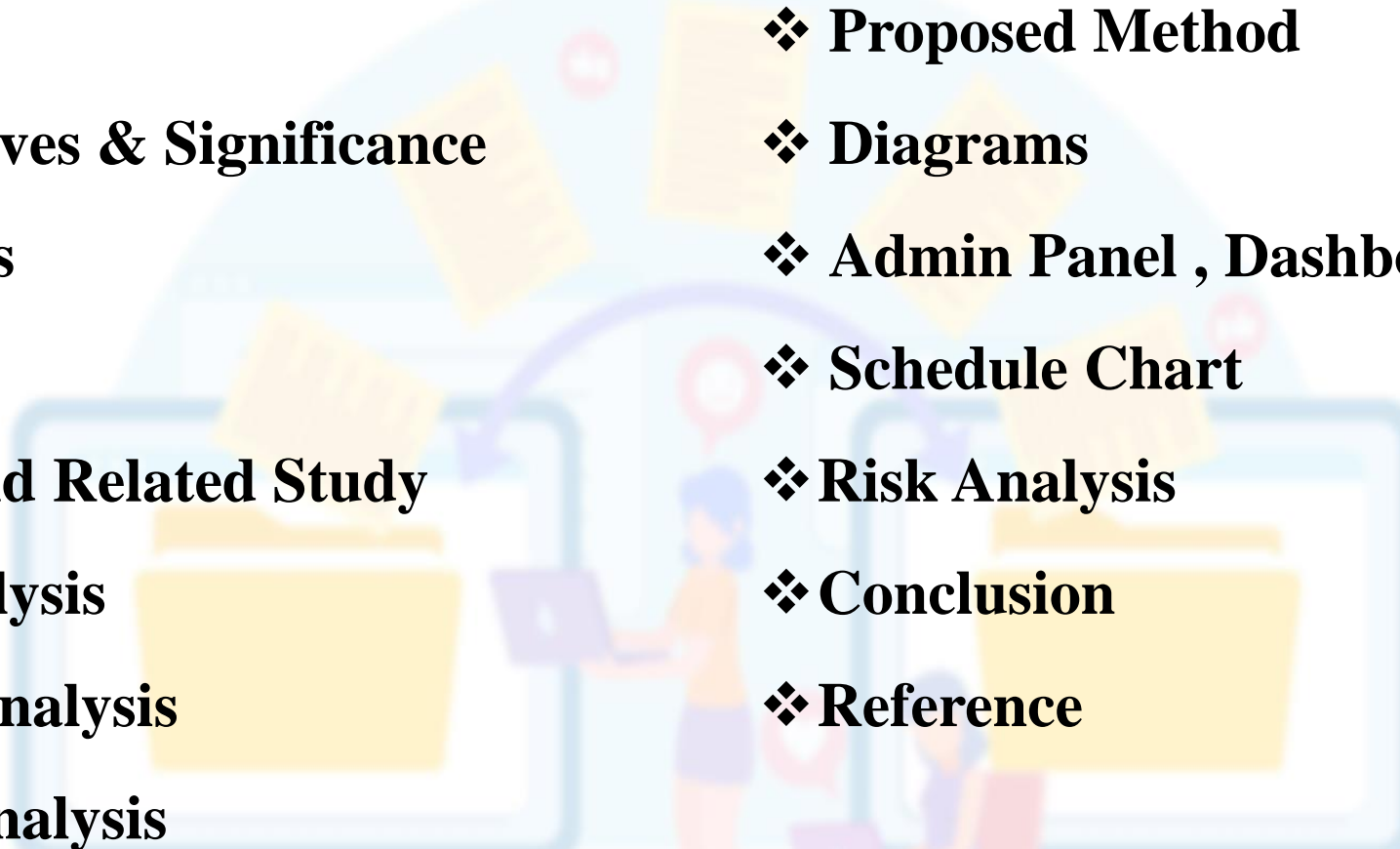
Lecturer

Department of CSE

City University

Savar, Dhaka, Bangladesh.

OUTLINE

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Abstract

This project is a web application to help students and faculty who lose items on campus. They can login, search for lost items, and claim them if found.

The system is authentic and has the ability to record information of each user and its activity on this portal, and keeps a record of all lost and claimed items in its database.

The admin panel of this software manages all the records of data which is operated by an appointed in charge.[1]

What is University Lost And Found Portal?

A university lost and found portal is an online platform that helps students and staff recover lost items on campus.[2]

These Portals typically include features such as:

- Item listings
- Item descriptions
- Contact information
- Claim process
- Notifications
- User Friendly

Project Objectives & Significance

A university lost and found portal helps reunite lost items with their owners in free of cost.

Its primary objectives include:

- Efficient Management of Lost and Found Items.
- Increased Recovery Rate of Lost Item.
- Automated notifications for both owners and finders.
- User-friendly interface for easy Navigation and reporting.
- Create a Good community by item returns.

This Proposed System Can Be Usable in any Kind of Internet Browser:

- Google Chrome
- Microsoft Edge
- Mozilla Firefox
- UC Browser
- Safari Browser
- Internet Explorer
- Opera Mini Browser

Benefits

Here are the benefits of a University Lost and Found Portal:

- Increased Efficiency of reporting lost items and claiming found items, saving time for both students and staff.
- Enhanced Good Communication between students, staff, and the lost and found office, its reducing confusion and misunderstandings.
- By digitizing the process manual record-keeping, saving resources and Reduced Paperwork.
- By providing a convenient and efficient way to recover lost items, the portal enhances the overall student experience and creates a more positive campus atmosphere.
- The portal can be a cost-effective solution for universities.[3]

Key Features

- Lost Item Reporting including descriptions, last known location, and photos.
- Users can submit details of items they've found on campus, with descriptions and photos to help identify the owner.
- Items are organized by categories (e.g., electronics, books, keys & others).
- The platform automatically suggests possible matches between reported lost and found items, notifying both the finder and the owner.
- Admin verify the items listed on the portal, resolve disputes, and handle item collections.
- A User Can Update His Data And All About His Details And his Items Details.[4]

Background and Related Study

Existing System Analysis & Future work

- All Lost and Found Information will be Uploaded To Server.
- The Information Can be Show or Useable To The Admin if Need.
- Take Images After Give His Losted Item Back And Upload Images To Website.
- In Special Case User need To Create A Physical LAF office in Our University.

Background and Related Study

Relevant Previous work / Research / System Analysis

We have Researched That Many Universities have This Lost and Found Portal.

We Are Mentioning a University Name and Pictures of This University Lost and Found portals.

1. Daffodil International University. [5]

Background and Related Study

Relevant Previous work / Research / System Analysis

Daffodil International University Safety and Security Management

HOME LOST AND FOUND VEHICLE REGISTRATION ID PASS SERVICE CONTACT BACK TO DIU

LOST AND FOUND

HOME > LOST AND FOUND > DETAIL >

Lost and Found

Please call CCTV Control Room at 01847334914 anytime 24 hours a day/7days a week to find out if your property has been turned in.

Lost Property Definition

Lost an Item?

DIU Lost and Found Location

CCTV Footage Requisition

Footage Requisition Form

Fig 1: Picture of DIU Lost and Found portal.

Feasibility Analysis

- **Technical Feasibility:** A university lost and found portal is a technically feasible project.
- **Operation Feasibility:** A university lost and found portal enhance the efficiency of locating lost items and reuniting them with their owners.
- **Economical Feasibility:** The economic feasibility hinges on several factors, including development costs, maintenance expenses, and the potential benefits.
- **Resource Feasibility:** A university lost and found portal can be a valuable tool for students, faculty, and staff to recover lost items and reunite them with their rightful owners.[6]

Requirement Analysis

- **Functional Requirement:** With Necessary functional requirements, a university lost and found portal can effectively connect users with lost and found items.
- **Non-functional Requirement:** Non-functional requirements define system attributes such as performance, security, usability, and maintainability.
- **Software Requirement:** By carefully considering Necessary software requirements, we can develop a robust and user-friendly lost and found portal For Our university community.
- **Hardware Requirement:** By carefully considering The Best Hardware Requirements, we can ensure that our university's lost and found portal is reliable, efficient, and secure.
- **Security Requirement:** Security requirements are essential to protect users' data, especially if sensitive information like contact details are involved. [7]

Requirement Analysis

Functional Requirement

- User Roles and Authentication
- Item Reporting and Claiming
- Item Search and Filtering
- Item Management
- Data Privacy and Security
- User Interface and Experience

By implementing these functional requirements, Portal can effectively connect users with lost and found items, improving communication with the campus community.

Requirement Analysis

Non-Functional Requirement

Non-functional requirements define system attributes such as performance, security, usability, and maintainability.

Here are some key NFRs for a university lost and found portal:

- Performance Requirements
- Security Requirements
- Usability Requirements
- Maintainability Requirements

By addressing these NFRs, the university lost and found portal can provide a reliable, secure, and user-friendly service to the university community.

Requirement Analysis

Software Requirement and Developing Environment Components

- HTML 5
 - CSS 3
 - Tailwind CSS
 - JavaScript
 - React.js
 - Node.js(express.js)
 - MongoDB
- VS Code



Requirement Analysis

Hardware Requirement

Computer Requirement:

- Processor: Core i3, i5
- RAM: 8 GB
- Hard Drive: 1024 GB
- Connectivity: Internet

Database: MongoDB

Server hosting

System Flow Analysis

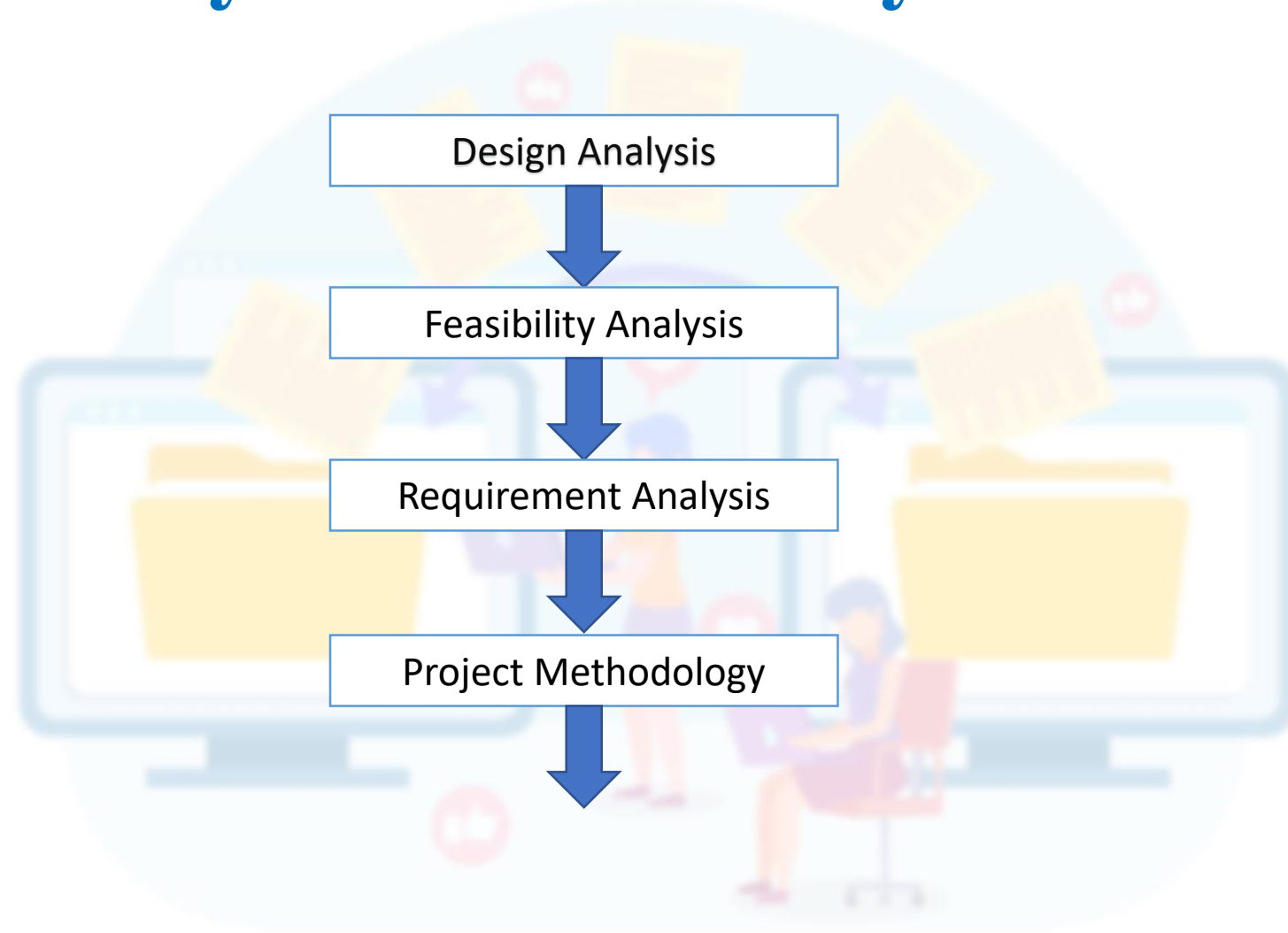


Fig 2: System Flow Analysis of City University Lost and Found Portal

Proposed Method

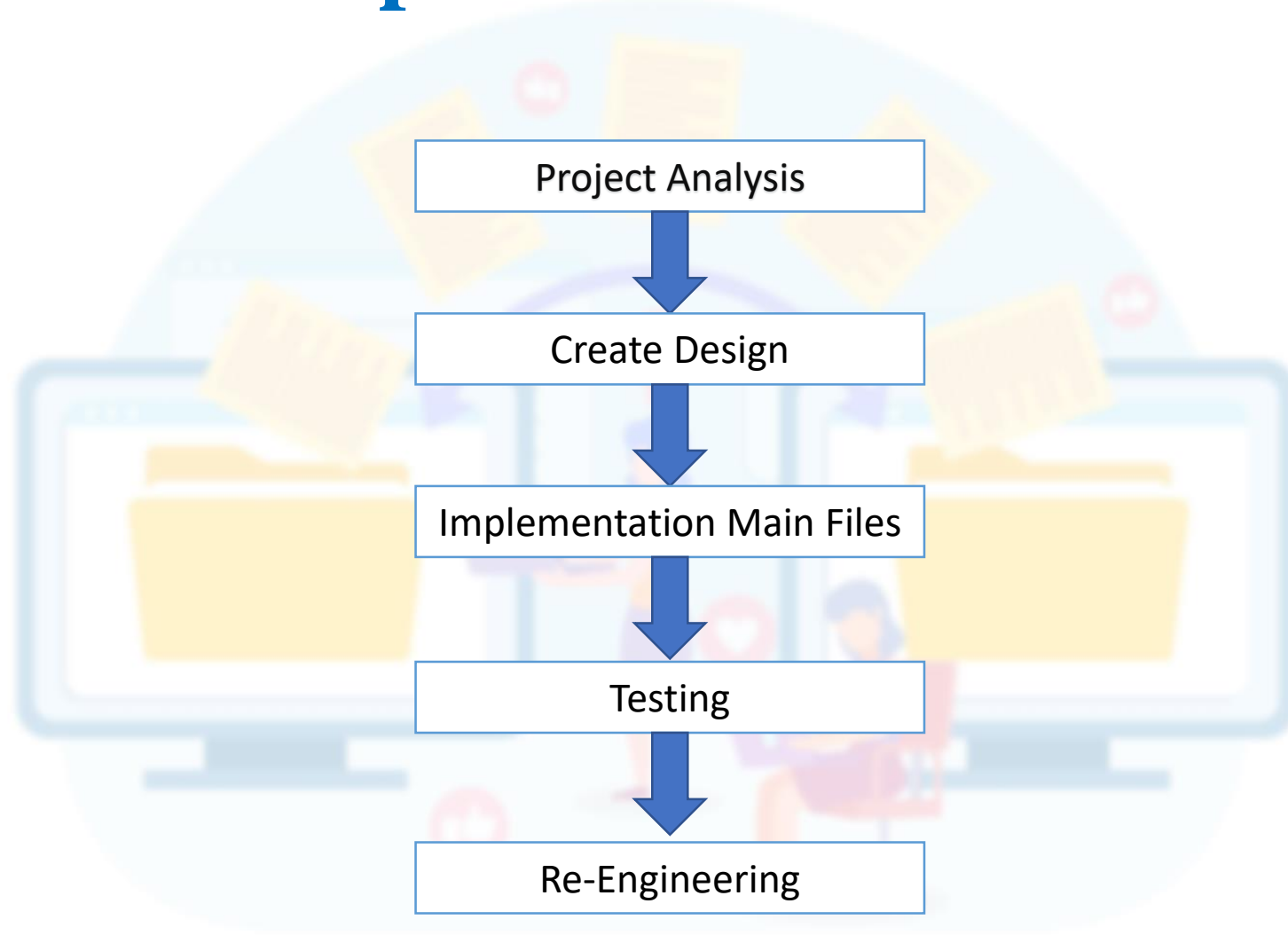
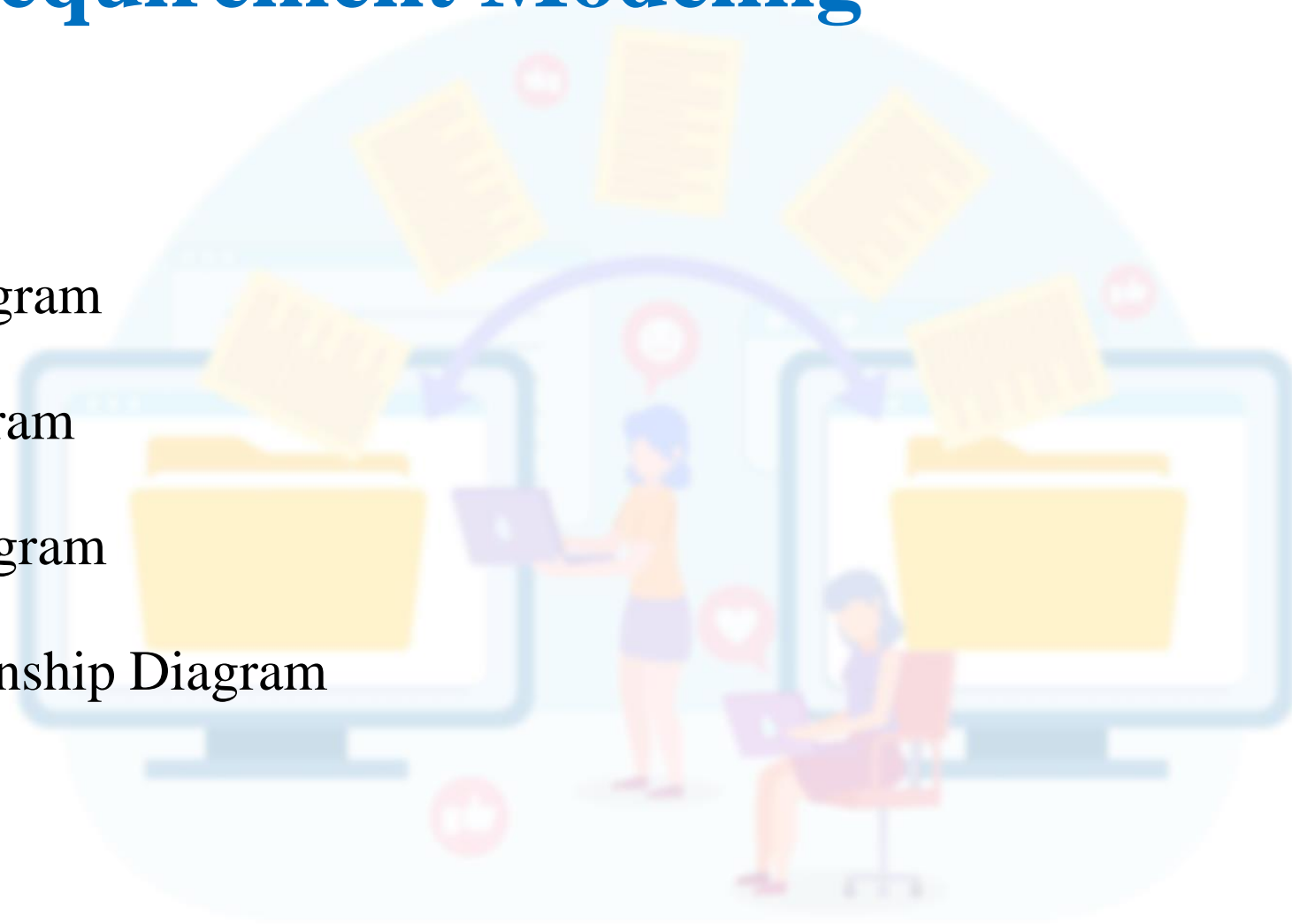


Fig 3: Proposed Method of City University Lost and Found Portal

Project Requirement Modeling

DIAGRAMS

- Use Case Diagram
- Activity Diagram
- Sequence Diagram
- Entity Relationship Diagram



Project Requirement Modeling

Use Case Diagram

Use Case Diagram
Provide a good and
High Level Analysis
to the System.

Main Character:

- Admin
- Owner
- Finder

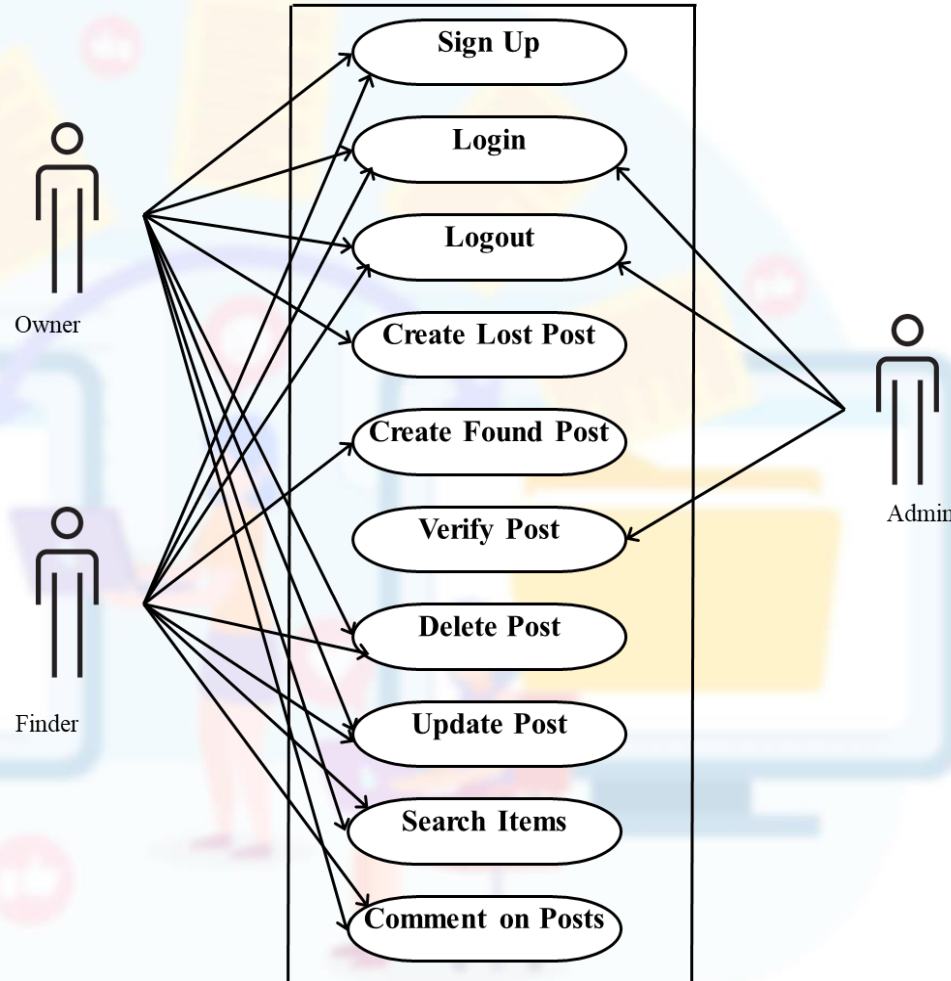


Fig 4: Use Case Diagram For City University Lost And Found Portal

Activity Diagram (Owner, Finder, Admin)

An activity diagram is a visual representation or process within a system.

Main Attributes:

- Owner
- Finder
- Admin
- Admin can do anything

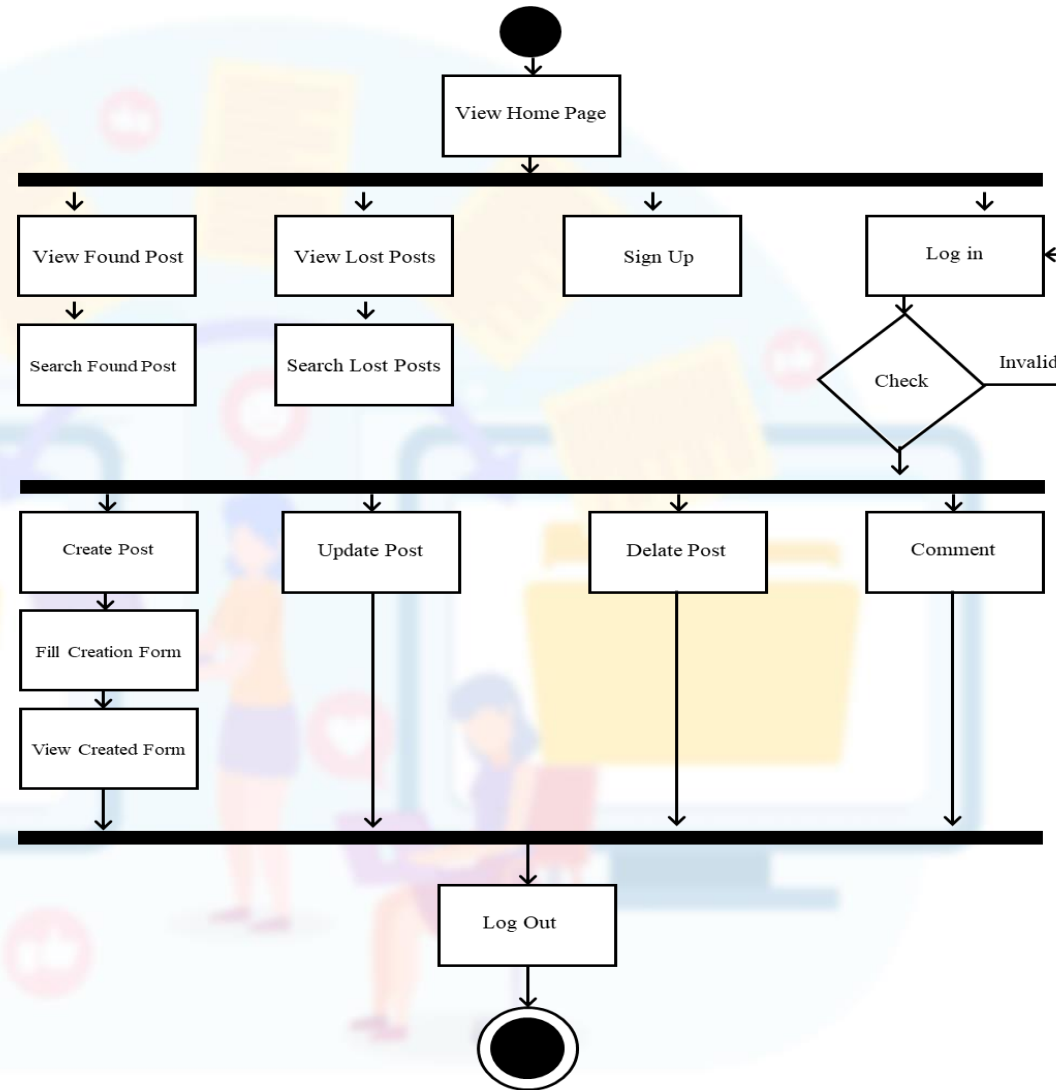


Fig 5: Activity Diagram (Owner, Finder, Admin)For City University Lost And Found Portal

Activity Diagram (Owner & Finder)

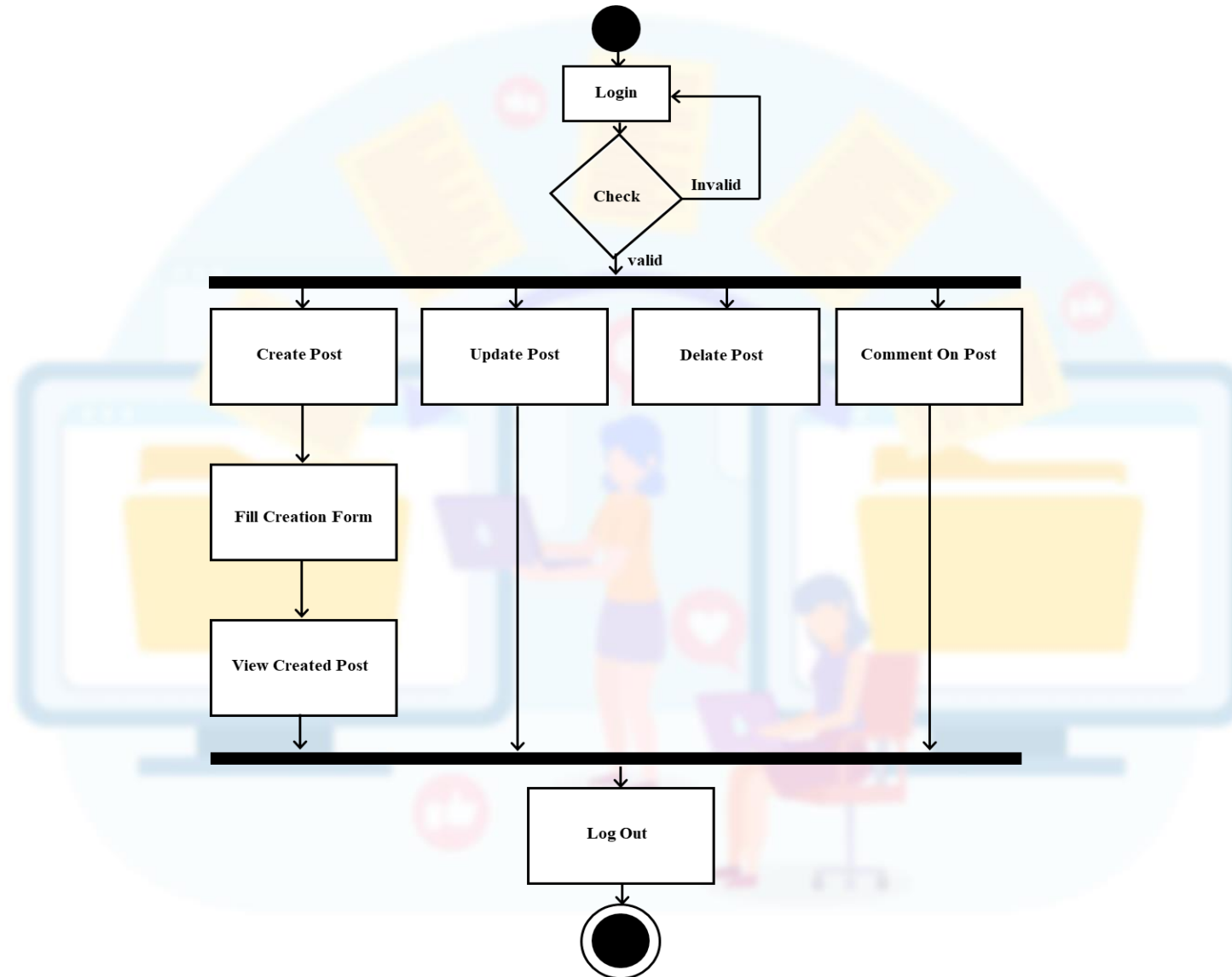


Fig 6: Activity Diagram (Owner & Finder)For City University Lost And Found Portal

Activity Diagram (Admin)

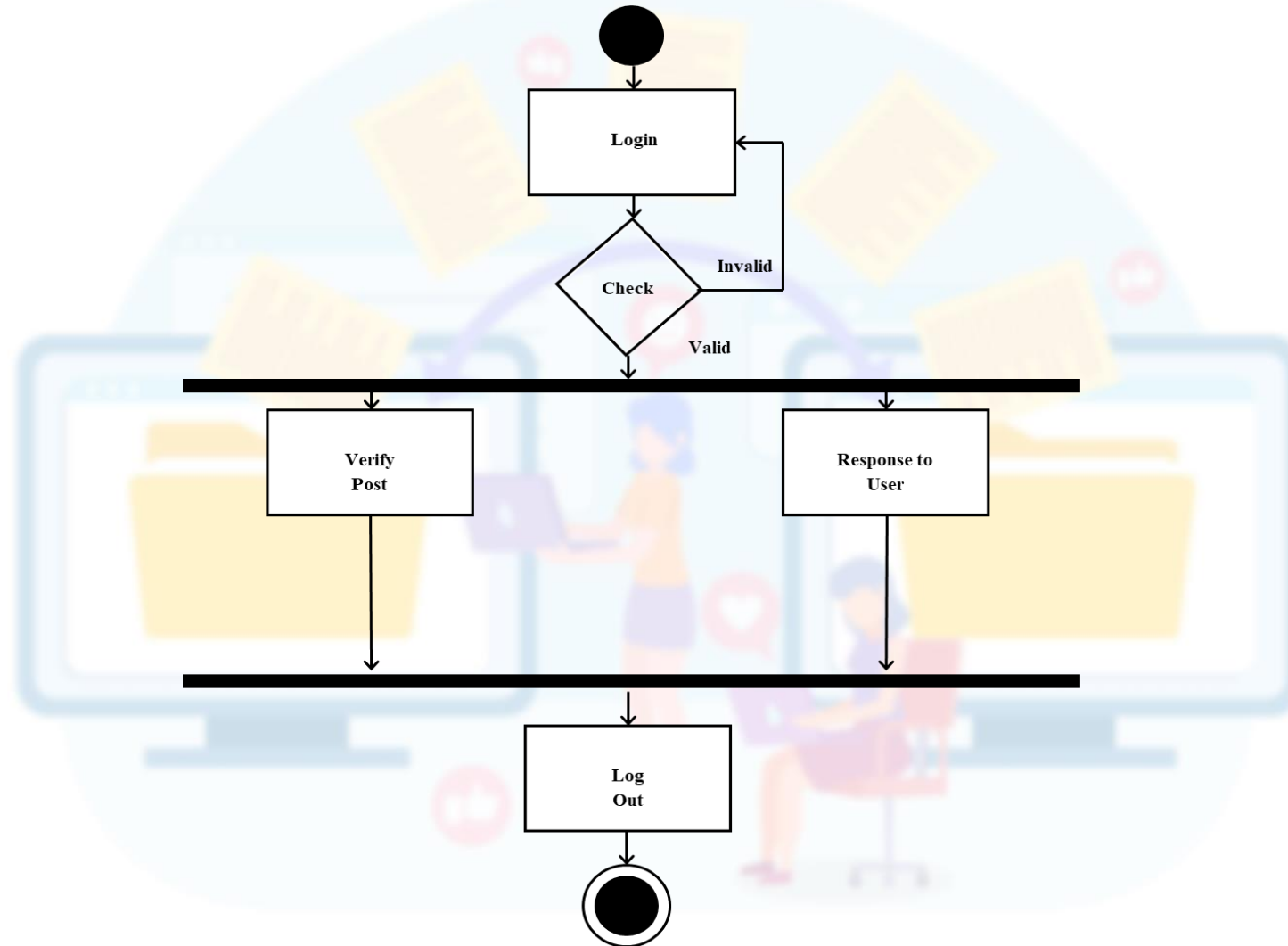


Fig 7: Activity Diagram (Admin) For City University Lost And Found Portal

Sequence Diagram (Admin Login)

A sequence diagram is a visual representation of how different parts of a system are Work in a sequence.

Main Character:

- Admin
- System

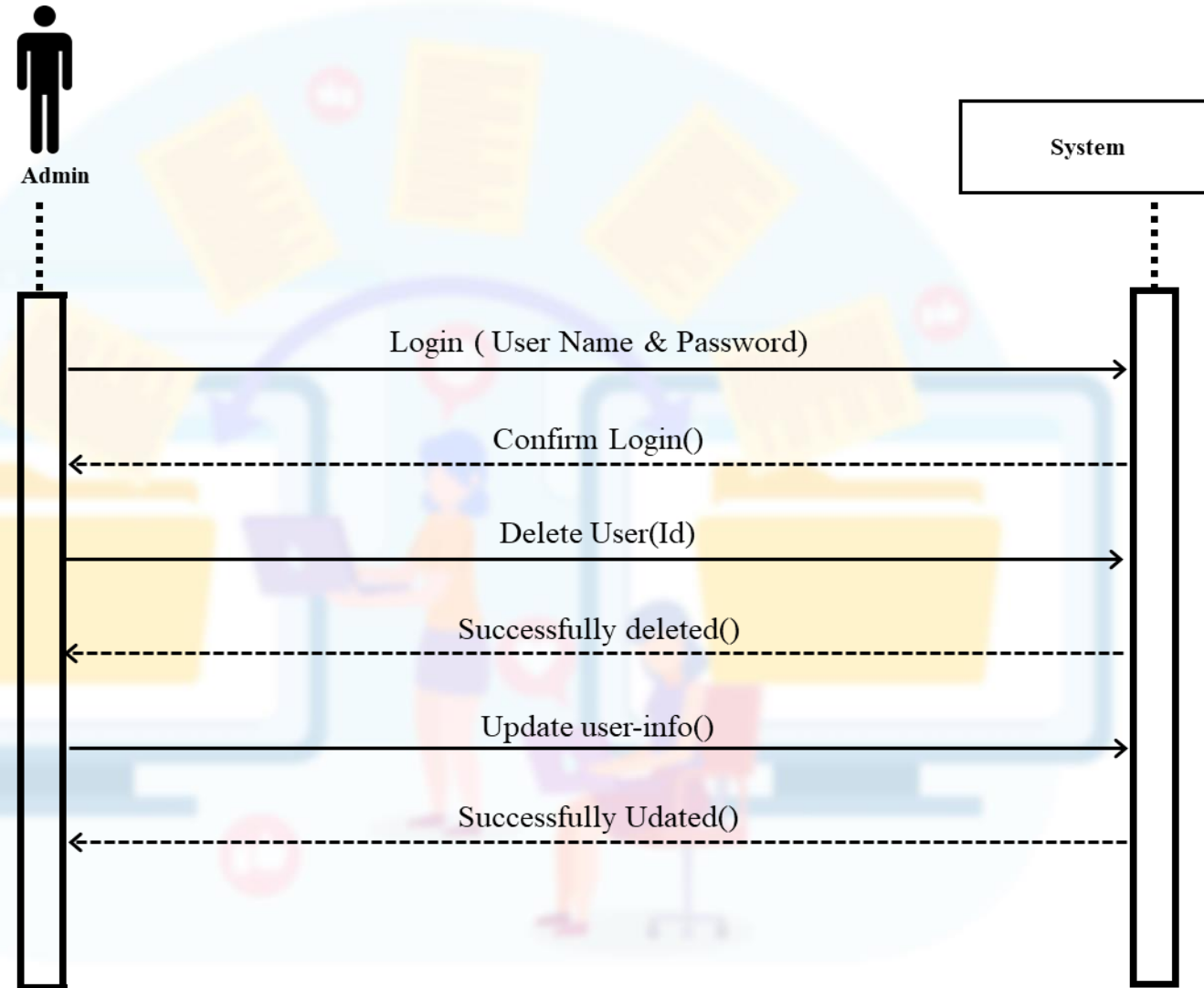


Fig 8: Sequence Diagram (Admin Login) For City University Lost And Found Portal

Sequence Diagram (Admin Logout)

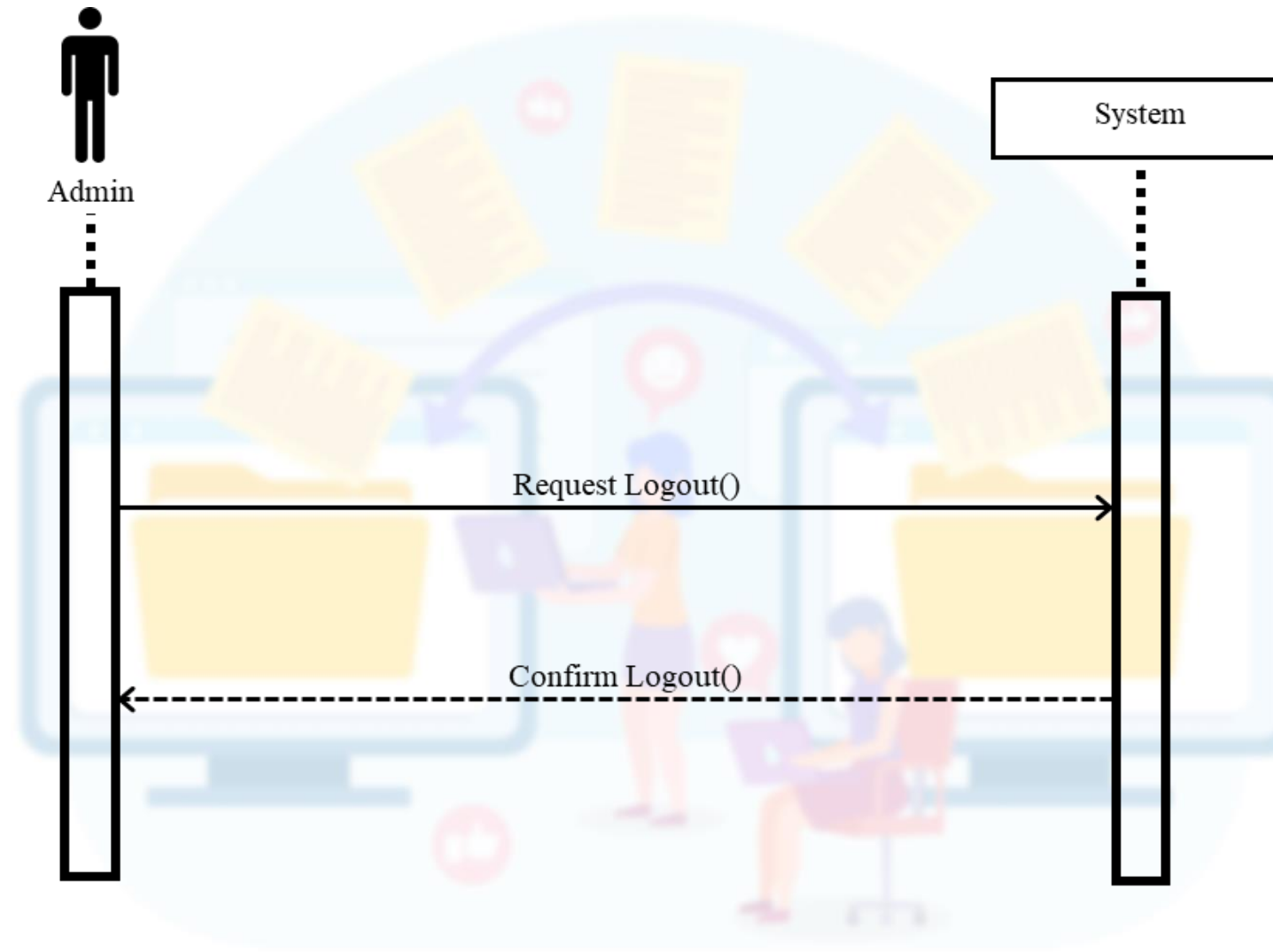


Fig 9: Sequence Diagram (Admin Logout) For City University Lost And Found Portal

Sequence Diagram (User Sign-up & Login)

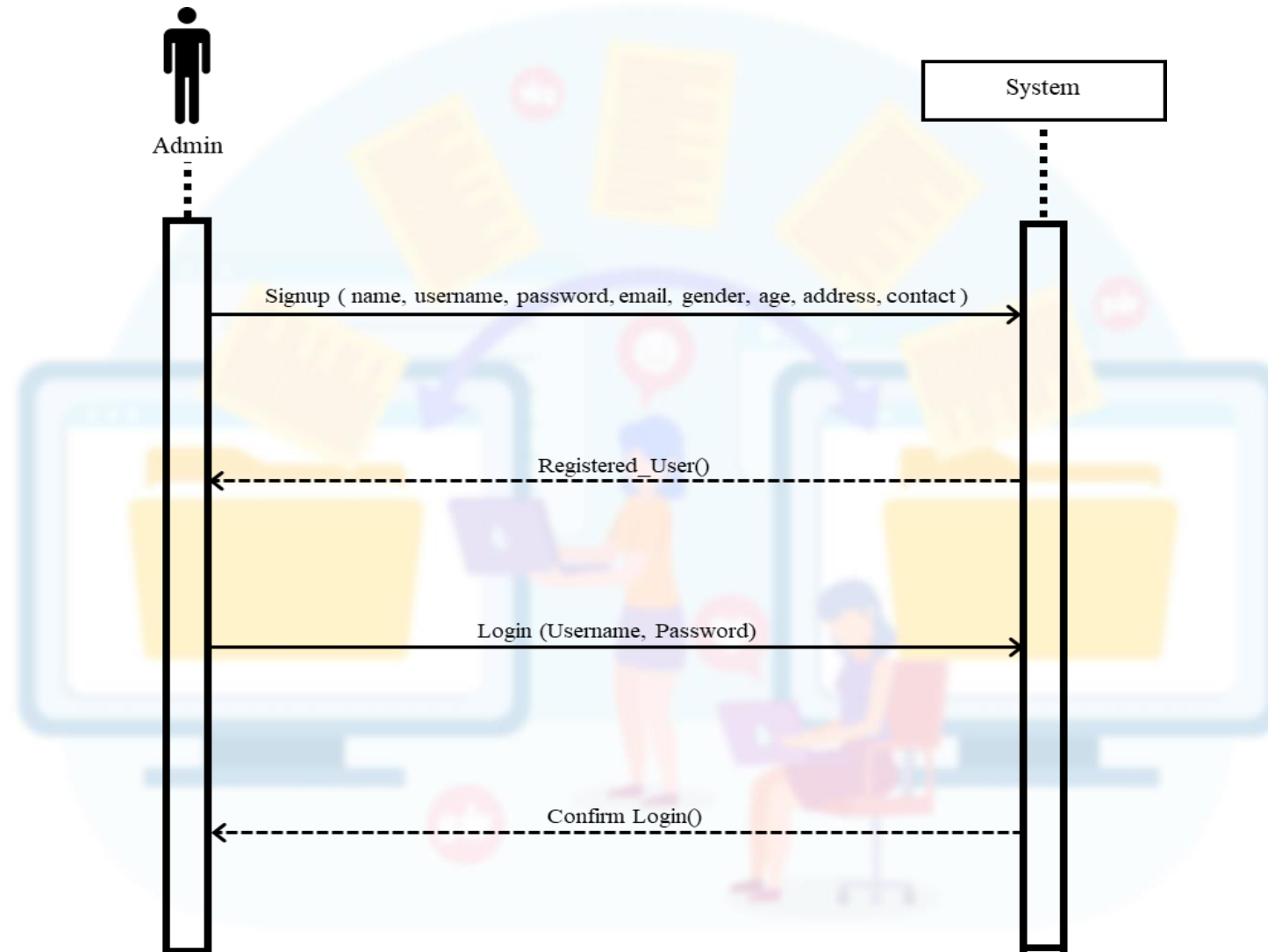


Fig 10: Sequence Diagram (User Sign-up & Login) For City University Lost And Found Portal

Sequence Diagram (User Logout)

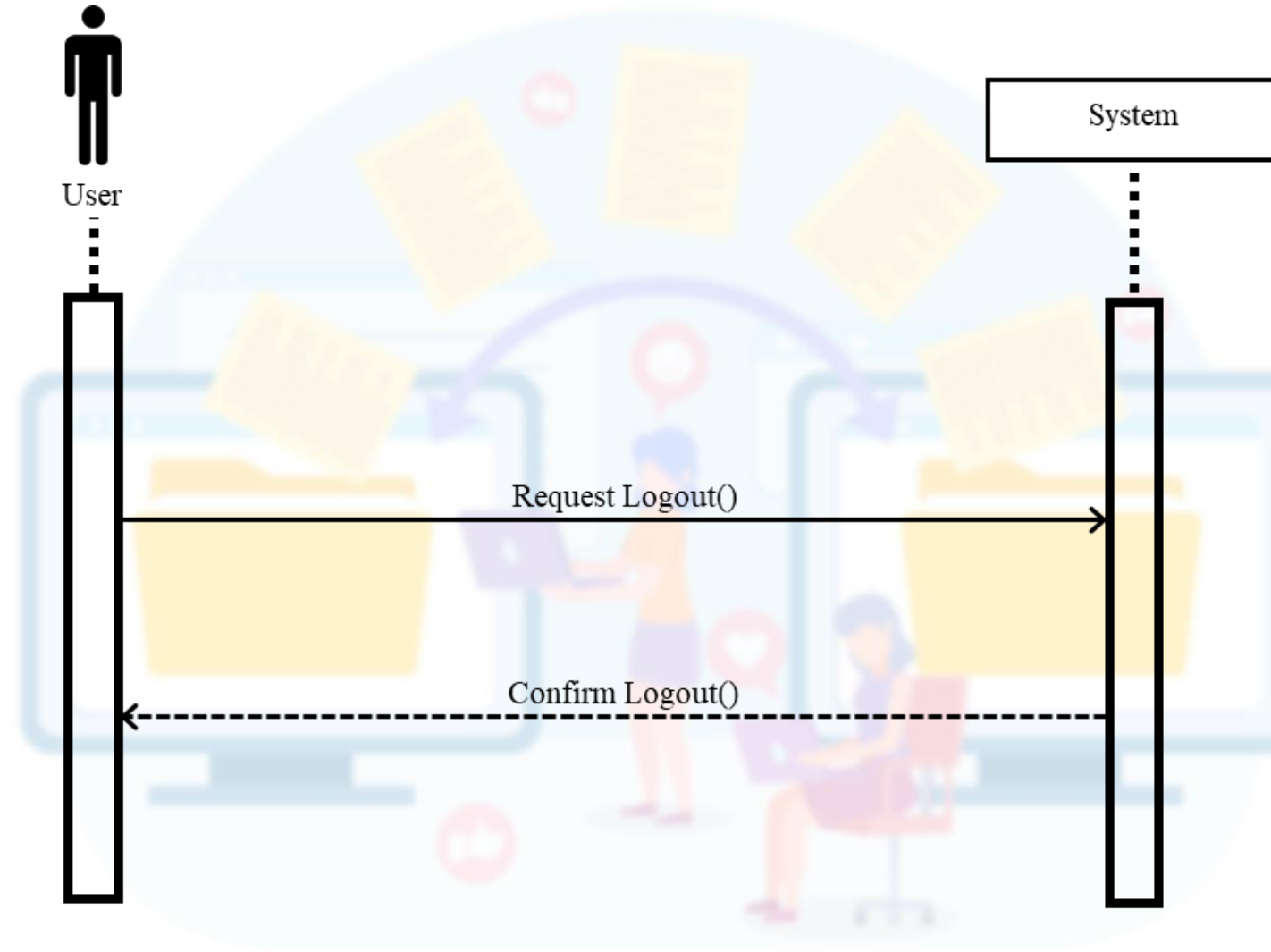


Fig 11: Sequence Diagram (User Logout) For University Lost And Found Portal

Entity Relationship Diagram

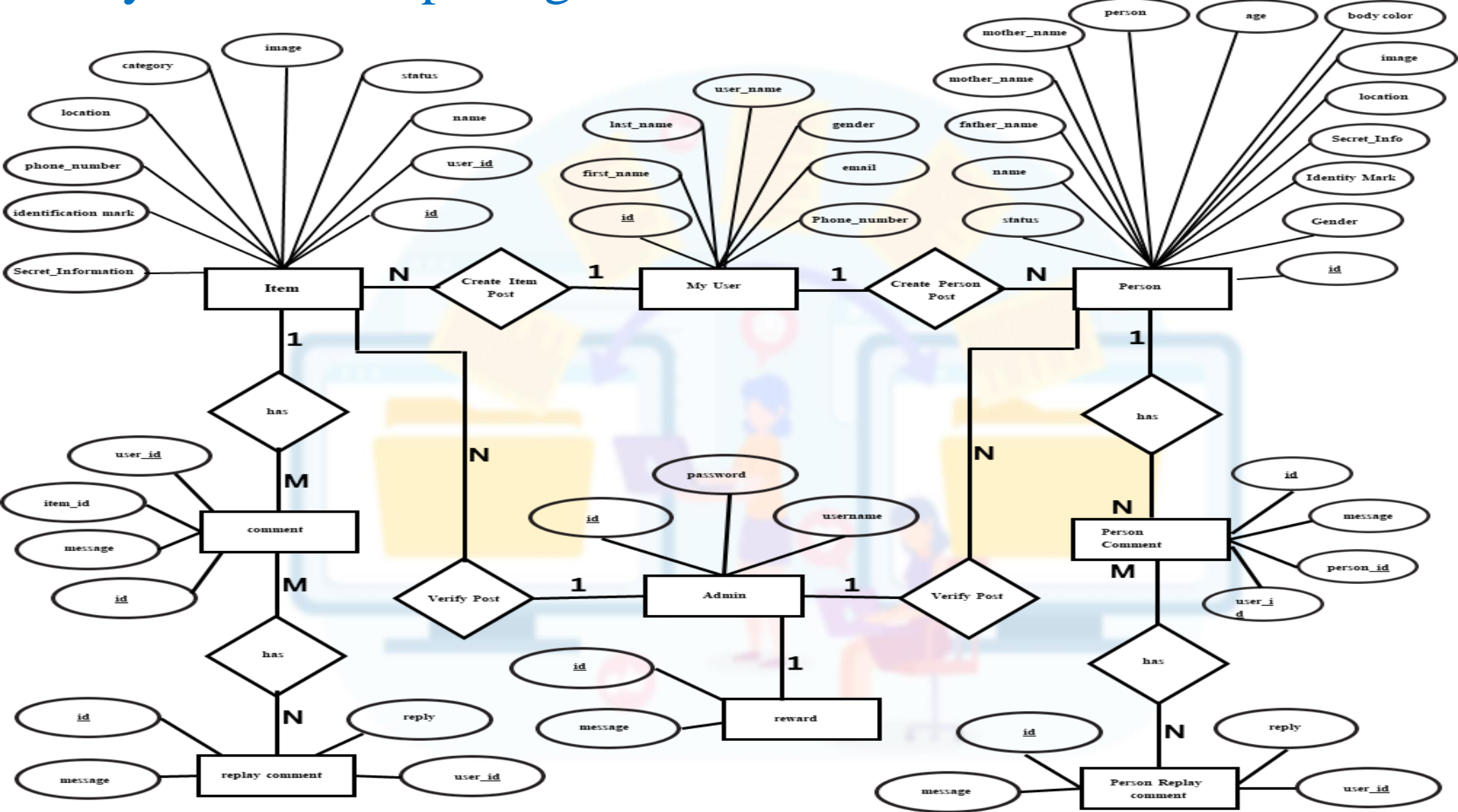


Fig 12: ER Diagram (User Logout) For City University Lost And Found Portal

Home Page

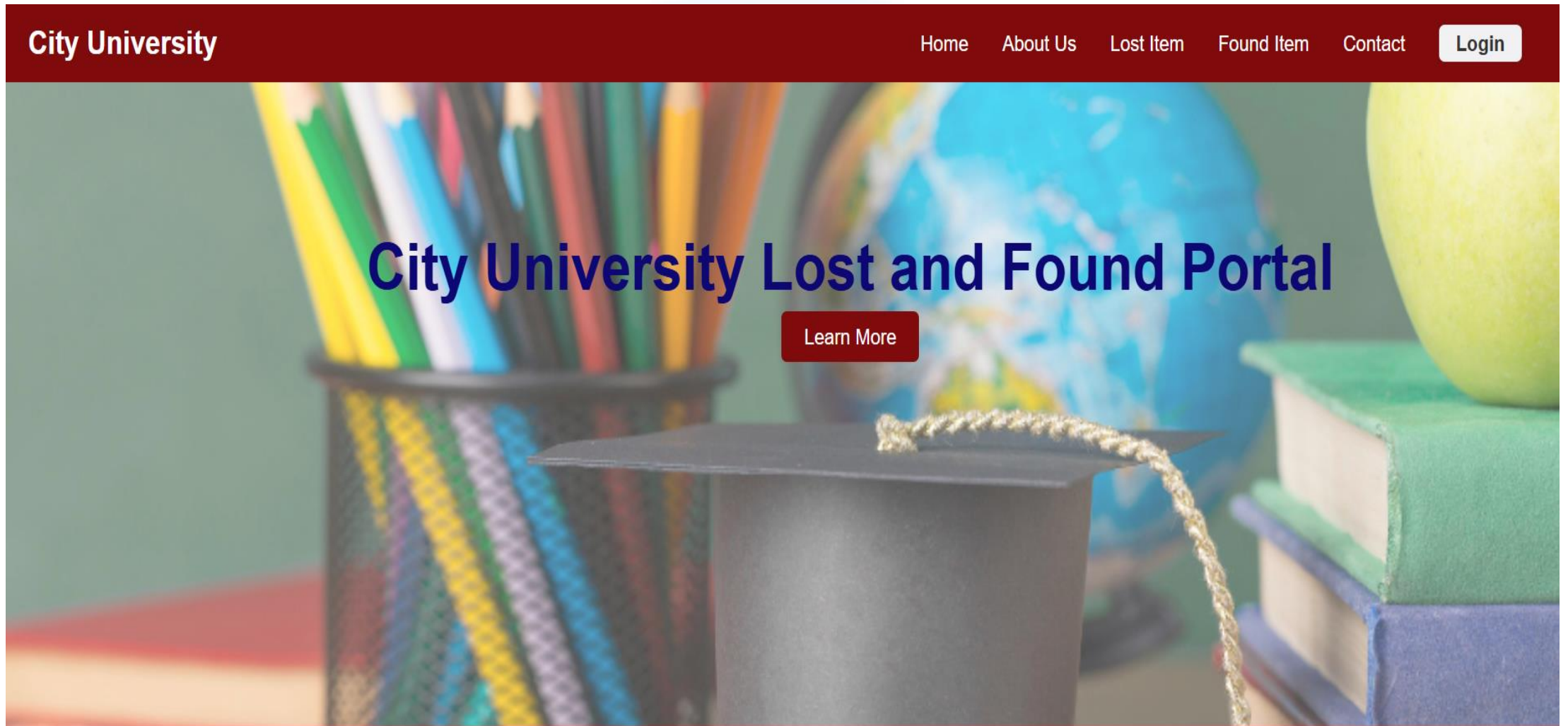
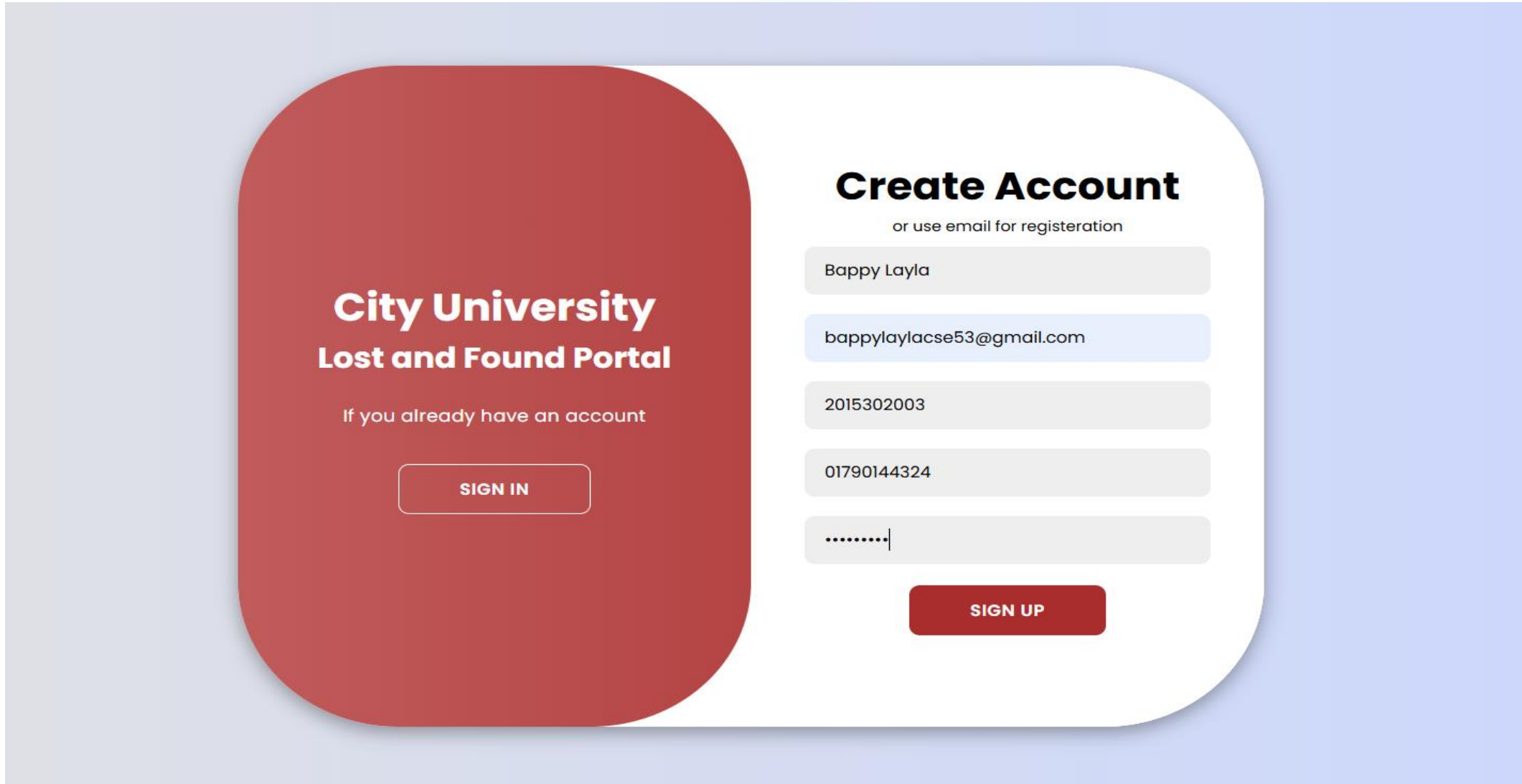


Fig 13: Home Page For City University Lost And Found Portal

SIGN UP Page



The image shows a sign-up page for the City University Lost and Found Portal. The page is divided into two main sections: a red section on the left for signing in and a white section on the right for creating a new account. The red section contains the text 'City University Lost and Found Portal' and a 'SIGN IN' button. The white section contains the text 'Create Account' and 'or use email for registration', followed by five input fields for name, email, and two phone numbers, and a 'SIGN UP' button.

**City University
Lost and Found Portal**

If you already have an account

SIGN IN

Create Account
or use email for registration

Bappy Layla

bappylaylacse53@gmail.com

2015302003

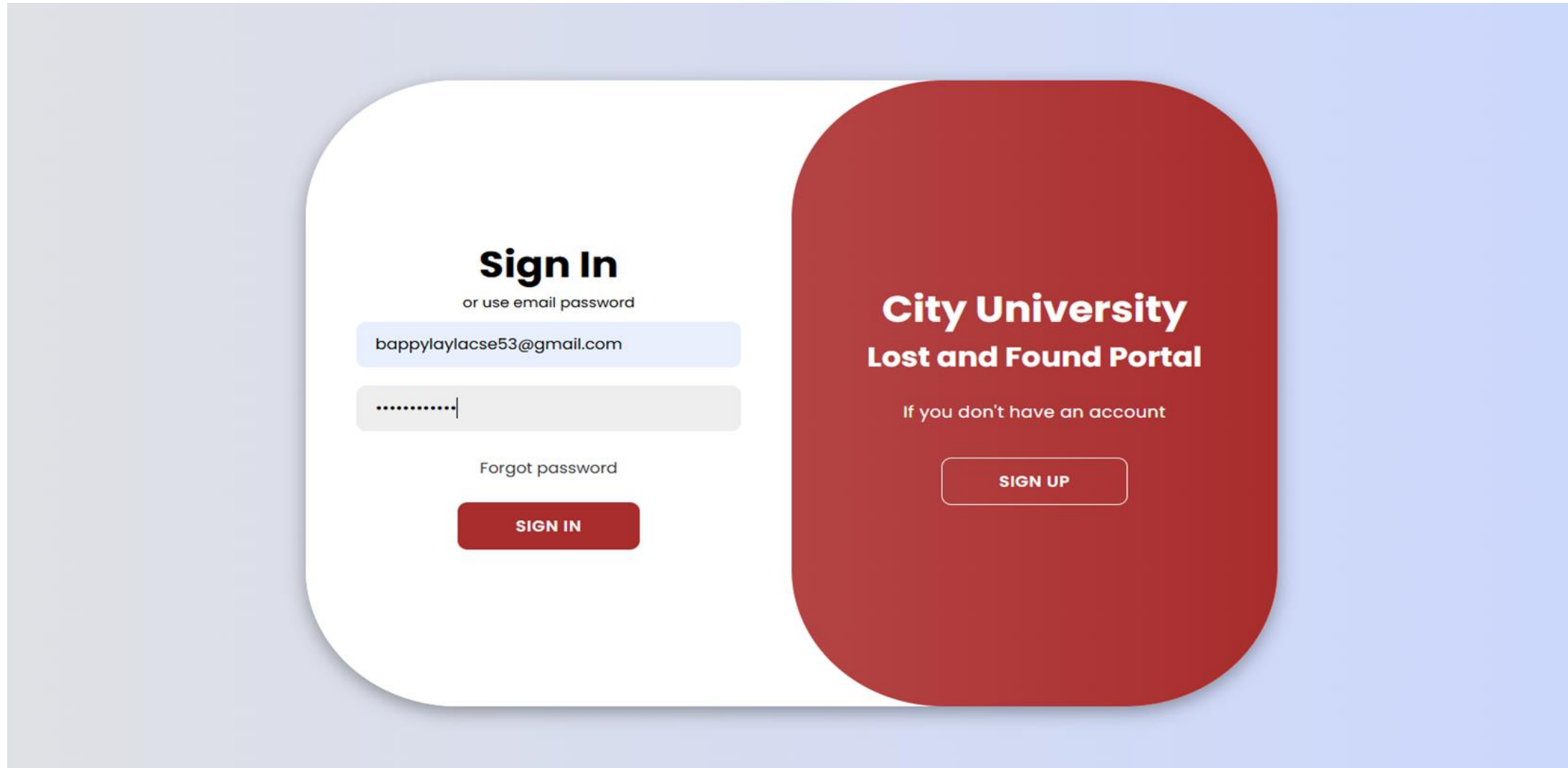
01790144324

.....|

SIGN UP

Fig 14: Sign UP (Page) For City University Lost And Found Portal

Sign-In Page



The image shows a sign-in page for the City University Lost And Found Portal. The page is divided into two main sections: a white sign-in area on the left and a red sign-up area on the right, both with rounded corners. The white area contains the text 'Sign In' and 'or use email password', followed by input fields for an email address (bappylaylacse53@gmail.com) and a password (represented by dots). Below the password field is a 'Forgot password' link and a red 'SIGN IN' button. The red area contains the text 'City University' and 'Lost and Found Portal', followed by the text 'If you don't have an account' and a white 'SIGN UP' button.

Sign In
or use email password

bappylaylacse53@gmail.com

.....|

Forgot password

SIGN IN

City University
Lost and Found Portal

If you don't have an account

SIGN UP

Fig 15: Sign In (Page) For City University Lost And Found Portal

Admin Panel & Dashboard

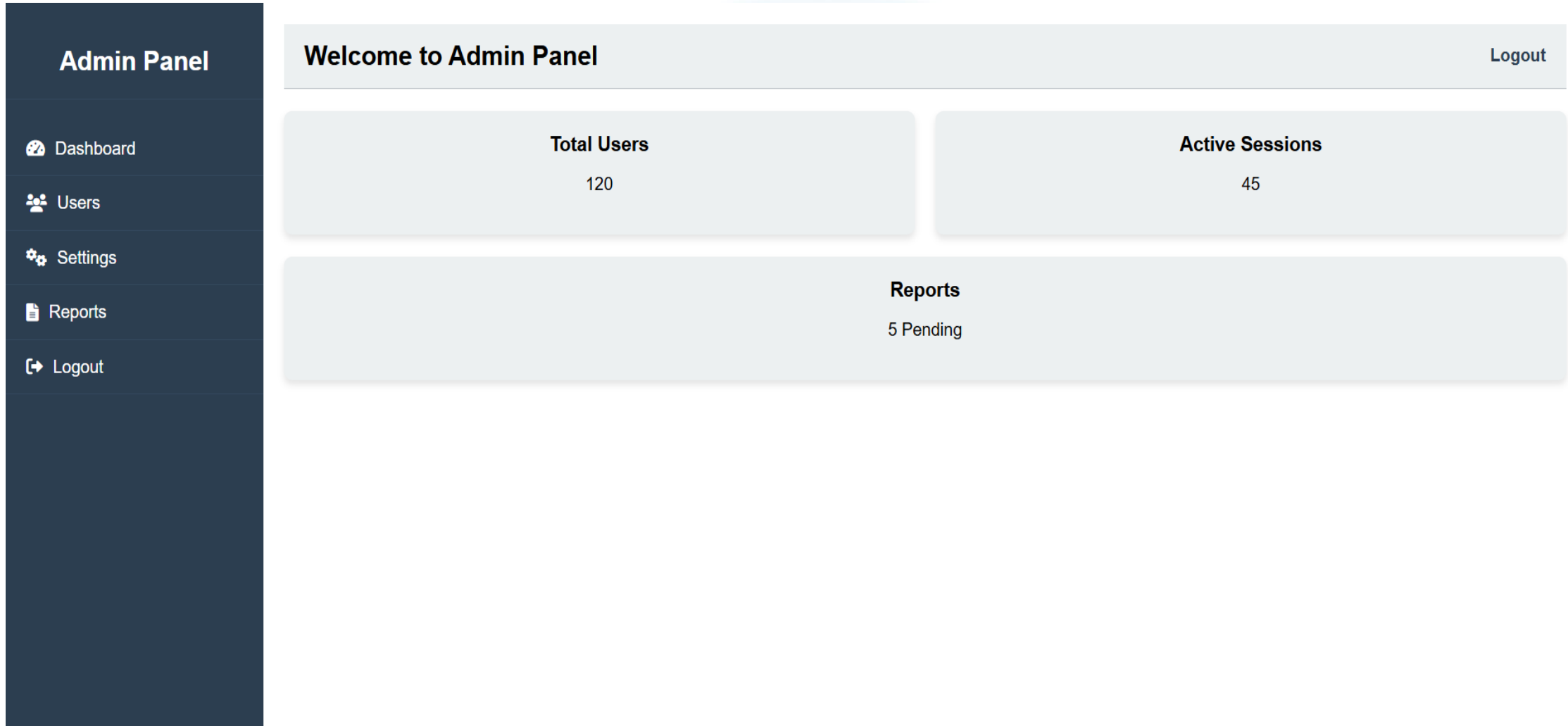


Fig 16: Admin Panel For City University Lost And Found Portal

Post an Item (Lost & Found)

Lost and Found

Post details of your lost items here to help others identify and return them.

Post a Lost & Found Item

Item Name:

mobile

Description:

Samsung A13

Last Seen Location:

class room

Date Lost:

01 - Jan - 2025

Contact Information:

0175555555

Upload an Image:

Select Images:

Choose Files

3 files

Post Item

Fig 17: Post an Item (Lost & Found) For City University Lost And Found Portal

Demo Proof of Our Projects (All Found Items)

All Found Items



Lost Wallet

Light Merun leather wallet found near the city university's front the account section.



Keys

Set of car keys .



Smartphone

Samsung Galaxy phone found at the bus stop.



Books

Set of the books.




Laptop

Laptop lost from the library.

Fig 18: Demo Proof For City University Lost And Found Portal

Comment Section & Posted Days(All Found Items)

All Found Items




Lost Wallet

Light Merun leather wallet found near the city university's front the account section.

Posted 5 day(s) ago

Submit




Keys

Set of car keys.

Posted 3 day(s) ago

Submit




Smartphone

Samsung Galaxy phone found at the bus stop.

Posted 1 day(s) ago

Submit




Books

Set of the books.

Posted 6 day(s) ago

Submit



Laptop

Laptop lost from the library.

Posted 7 day(s) ago

Submit

Fig 19: Posted Days & Make Comment For City University Lost And Found Portal

Comment Section & Posted Days(All Found Items)



Fig 20: After Posted Comment

Frequently Asked Questions

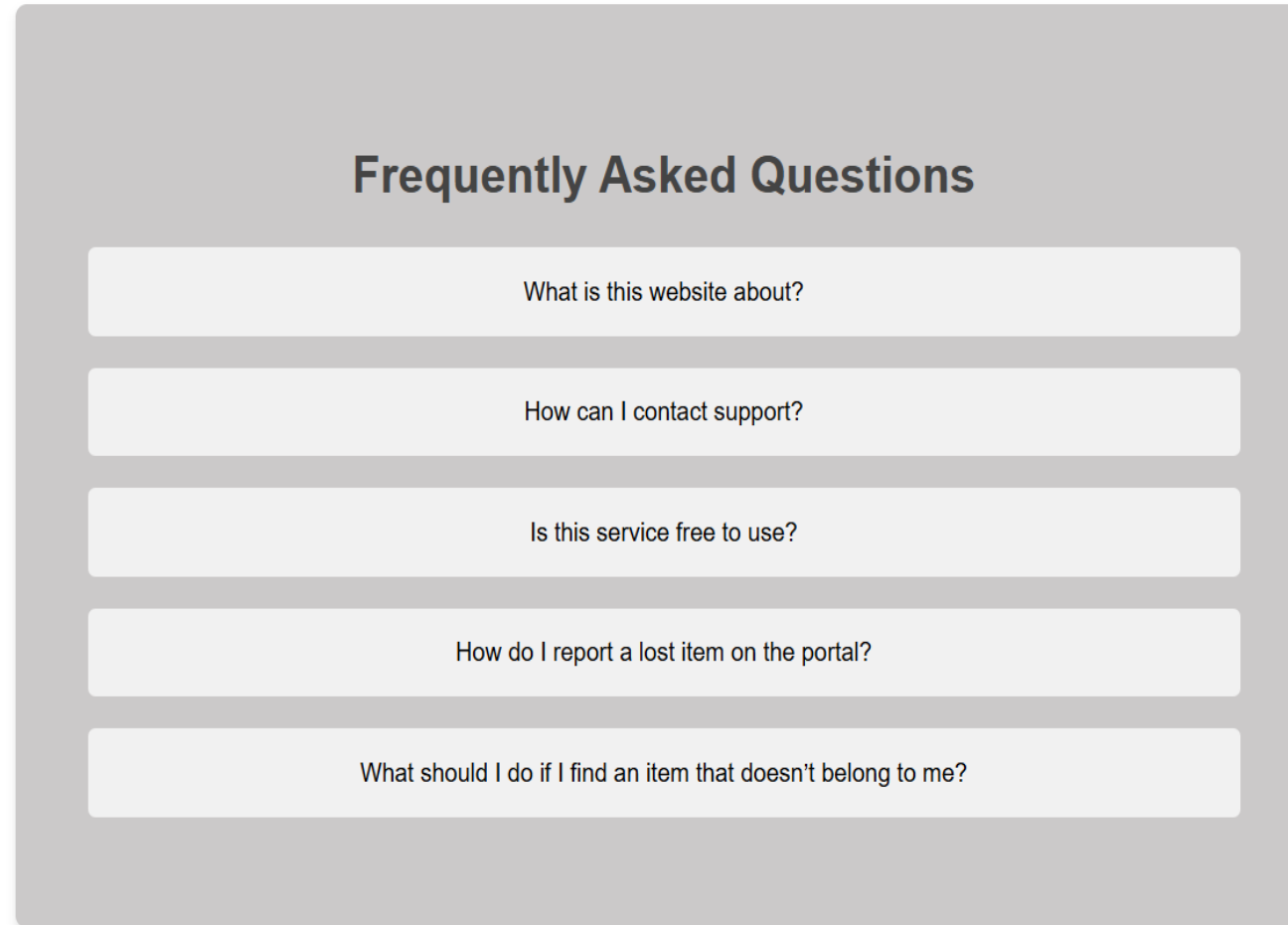


Fig 21: Frequently Asked Questions For City University Lost And Found Portal

About Us

About Us

A Lost and Found Portal is a centralized platform where users can report, search, and recover lost items or submit details of found belongings, making it easier to reconnect owners with their possessions. Lost and Found Portal Efficient Tracking and Recovery of Lost Items Introduction In a world characterized by rapid technological advancements, the need for efficient and streamlined systems to manage everyday challenges becomes increasingly evident. Within the realm of educational institutions, public spaces, and workplaces, the occurrence of lost items is a common phenomenon that can lead to inconvenience and frustration for both individuals and administrators. To address this issue, we propose the development of a sophisticated and user-friendly "Lost and Found Management System." This system aims to revolutionize the way lost items are reported, tracked, and returned, ultimately enhancing the overall experience for users and administrators alike.

Fig 22: About Us (Description) For City University Lost And Found Portal

Contact Us

Contact Us

If you need any help please contact with us.

We'd love to hear from you!

If you have any questions, feedback, or need assistance, feel free to reach out to us. Our team is here to help you.

Contact Information

Email: cityuniversitylafpt@gmail.com

Phone: +8801 712 345 678

Address: Khagan Birulia, Dhaka, Bangladesh

Follow Us in Social Media

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

We aim to respond to all inquiries within 24 hours. Thank you for reaching out!

Fig 23: Contact Us (Information) For City University Lost And Found Portal

Schedule Chart

	20/10/24	31/10/24	01/11/24	15/11/24	16/11/24	30/11/24	01/12/24	31/12/24	15/01/25
Analysis									
Requirement									
Methodology									
Time Estimation									
Planning									
Design									
Development									
Implementation									
Testing									
Re-engineering									

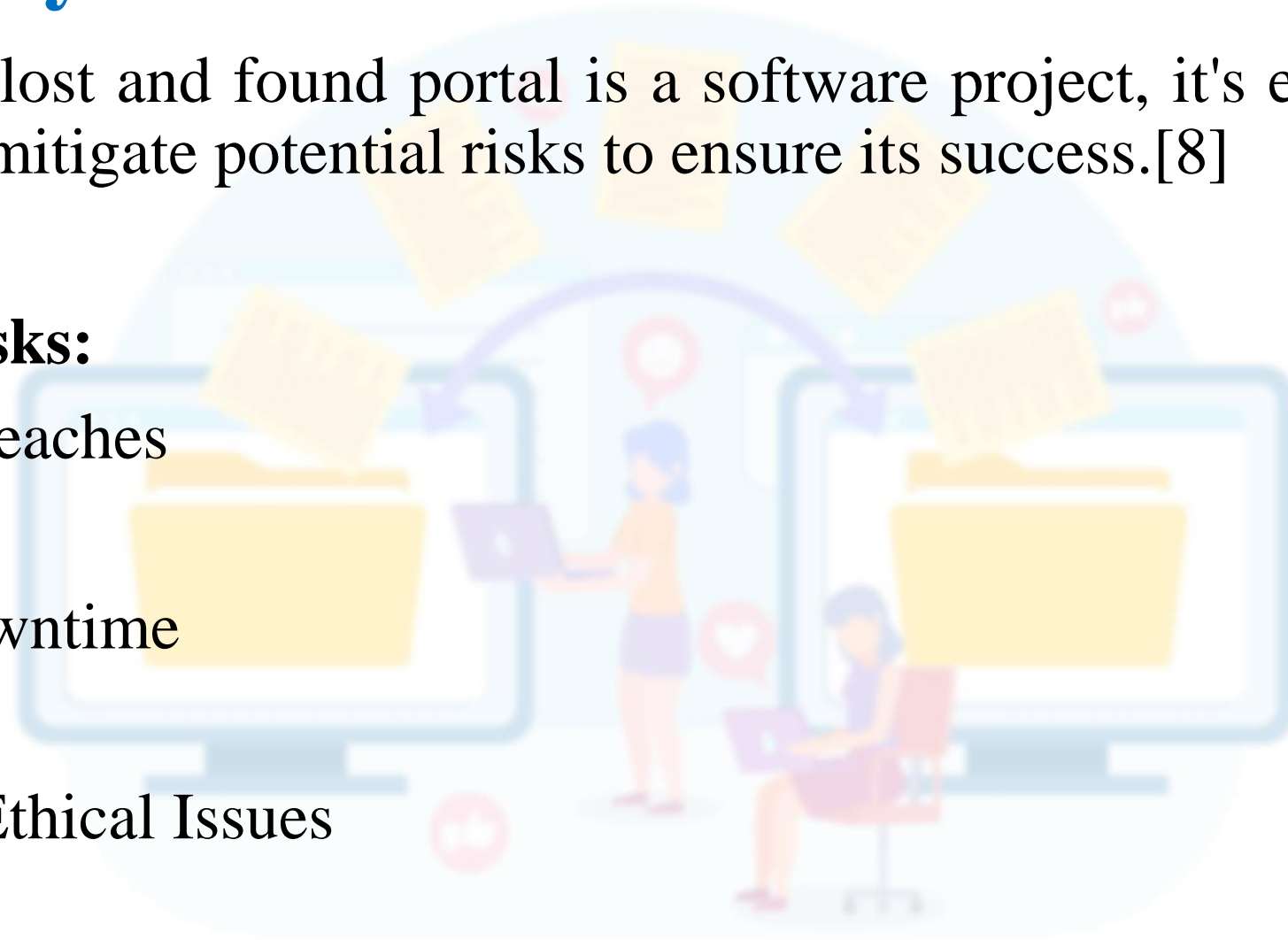
Fig 24: Schedule Chart For City University Lost And Found Portal

Risk Analysis

A university lost and found portal is a software project, it's essential to identify and mitigate potential risks to ensure its success.[8]

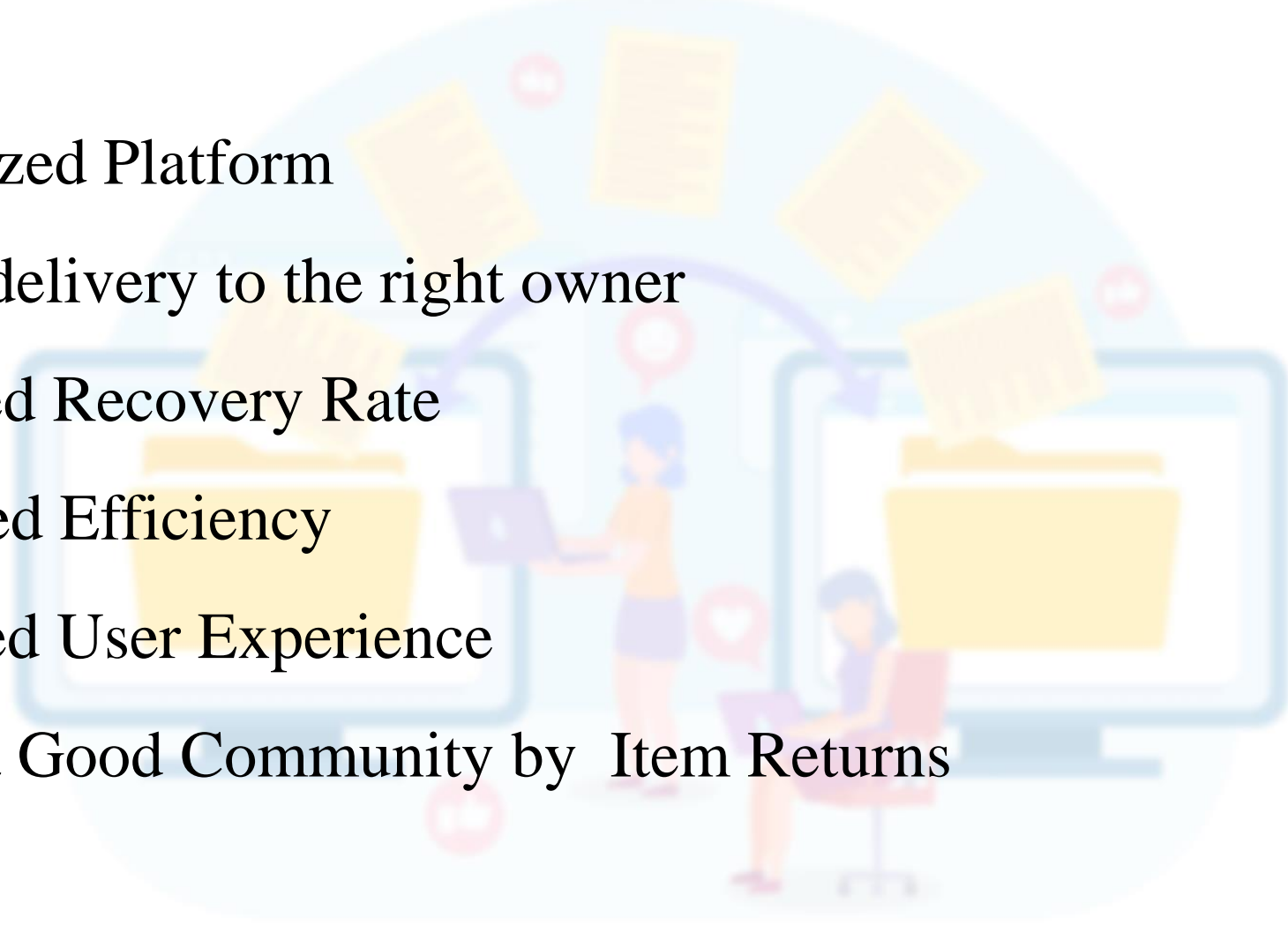
Potential Risks:

- Security Breaches
- Data Loss
- System Downtime
- User Error
- Legal and Ethical Issues

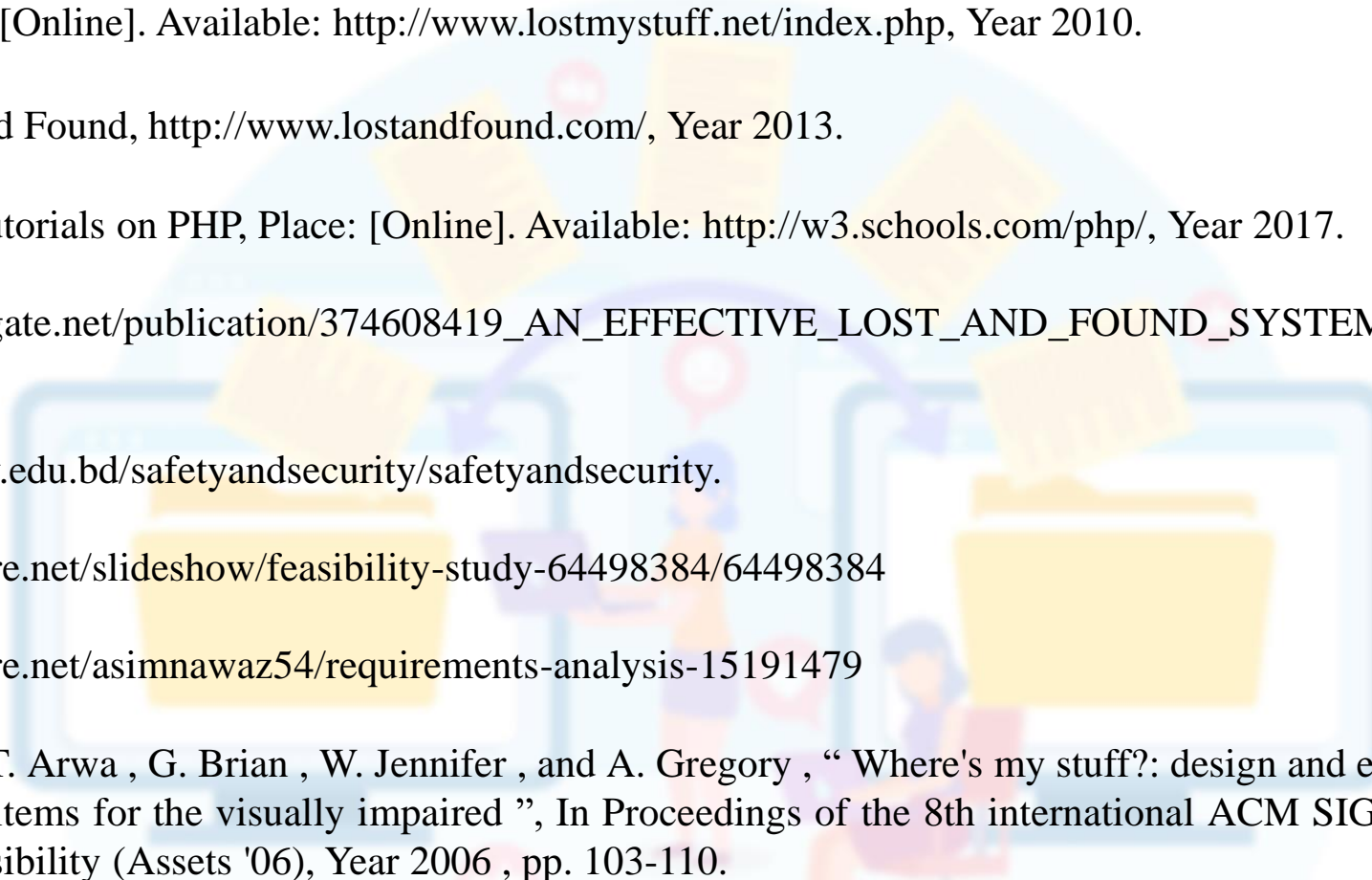


Conclusion

- Centralized Platform
- Ensure delivery to the right owner
- Increased Recovery Rate
- Enhanced Efficiency
- Improved User Experience
- Create a Good Community by Item Returns



Reference

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- [1] Lost my stuff, Place: [Online]. Available: <http://www.lostmystuff.net/index.php>, Year 2010.
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- [3] W3schools Online Tutorials on PHP, Place: [Online]. Available: <http://w3.schools.com/php/>, Year 2017.
- [4]https://www.researchgate.net/publication/374608419_AN_EFFECTIVE_LOST_AND_FOUND_SYSTEM_IN_UNIVERSITY_CAMPUS
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- [6] <https://www.slideshare.net/slideshow/feasibility-study-64498384/64498384>
- [7] <https://www.slideshare.net/asimnawaz54/requirements-analysis-15191479>
- [8] K. Julie , P. Shweta, T. Arwa , G. Brian , W. Jennifer , and A. Gregory , “ Where's my stuff?: design and evaluation of a mobile system for locating lost items for the visually impaired ”, In Proceedings of the 8th international ACM SIGACCESS conference on Computers and accessibility (Assets '06), Year 2006 , pp. 103-110.



Thank You.....!!!