Mini Project Report

On

FULL STACK DEVELOPMENT

Submitted by

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Under the guidance of

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In fulfilment for the award of the degree of

Bachelor of Technology

In

Computer Science Engineering

Rajiv Gandhi University of Knowledge Technologies

(Catering the Educational Needs of Gifted Rural Youth of A.P)

R.K Valley , Y.S.R Kadapa(Dist)-516330

Acknowledgement

Words are only representation of my sincere gratitude that we have towards actions and their

inherent associations. As a matter of fact, without cooperation, no thought could be coined into real

action. Consistent motivation, invaluable support throughout any project is an issue that cannot be quantitatively measured. The acknowledgement is only a fraction of regards towards their gestures.

I extend my sincere and heartfelt thanks to our esteemed ***guide***, ***Mr B.Linga Murthy*** and for his exemplary guidance, monitoring and constant encouragement throughout the course at crucial junctures and for showing us the right way.

I would like to extend thanks to our respected ***Head of IT Infra***, ***Mr. Satyanandaram K and Software Engineer, Mr. Lingamurthy B*** for allowing us to use the facilities available. I would like to thank other faculty members also

Last but not the least, I would like to thank my friends and family for the support and encouragement they have given us during the course of our work.

Rajiv Gandhi University of Knowledge Technologies

(*Catering The Educational Needs of the Gifted Rural Youth of A.P* **)**

IIIT, R.K Valley, YSR Kadapa (Dist)- 516330.

CERTIFICATE

Certified that the mini project report on, "**ONLINE OUTPASS SYSTEM**" in the domain **FULL STACK DEVELOPMENT** is bonafide work of D.Praneetha (R170568), M.Sravani(R170569),Y.Deeksha (R170571) 3rd Year B.Tech, Computer Science Engineering in R.K Valley Campus of Rajiv Gandhi University of Knowledge Technologies (RGUKT), Andhra Pradesh carried out during 20 April 2022 to 20 August 2022.

Faculty In-charge **Head of the Department**

Panel Members:

1.T.Sandeep Kumar Reddy

2.K.Vinod Kumar

3.Udaya Sree

Abstract

Out-pass is a permission that is given to students to go out of hostel mainly in Institutions. Currently many hostels are following manual work i.e., Student need to visit the Warden/Care taker office by in person. Our project is to reduce that manual work and paper usage by providing an online environment where Students can apply for out-pass and Wardens and Care takers can also easily accept or reject Students out-pass through this portal. The Out-passes history will be stored in database. So, the institute can check that details when they required.

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Scenario:

Out-pass system for hostels where students get to take permission of Warden/care taker just by filling up a simple form.
The student login's and fills the out-pass form and waits for the reply from the authorities(caretaker/warden). By default, the status of the out-pass is "pending". The Warden gets all the Out-pass Applications from students and have the power whether to accept or reject the out-pass. Warden/care taker can take further steps of verification and decides whether to approve or reject the Out-pass. If accepted the status is "Approved" or if rejected the status is "rejected" and the status displayed on the student's check-status page. Warden can also able to see the all approved and rejected out-passes details.

Requirements:

→ Two characters
  - ➢ Student
  - ➢ Warden

→ Individual Login page for actors

→ Student must have following functional requirements

- ➢ **Home Page** – basic details of particular student should be shown.
- ➢ **Apply** – Students can fill the application form for the out-pass. Here Student must fill the basic details like Guardian Name, Guardian Ph. No., Student Ph. No., From Date, To Date, Reason for Out-pass.
- ➢ **Check Status** – Students can check the status of his/her out-passes.
- ➢ **Reset Password**
- ➢ **Logout**

→ Warden must have following functional requirements

- ➢ **Home** – Basic details of warden should be shown

➢ **Pending List** - Details of all out-passes of status as ‘pending’ should be shown.

➢ **Accepted List** - Details of all out-passes of status as ‘approved’ should be shown.

➢ **Rejected List** - Details of all out-passes of status as ‘rejected’ should be shown.

➢ **Reset Password**

➢ **Logout**

Online Out-pass System (OOS)

1. Introduction

1.1. **Purpose**: The Online Out-pass System (OOS) for to reduce the hassle the students have to go through while getting permission from respective authorities (warden/care taker) before leaving the hostel campus and reducing the wastage of time. This application helps in eradicating the use of paper, hence saving the environment and trees.

1.2. **Scope**: This system allows the warden/care taker to maintain the out-pass records and accept or reject the out-pass applied by the student. And also allows the student to apply/register for the out-pass easily.

1.3. **Definitions**:

- ➢ OOS- Online Out-pass System
- ➢ SRS- Software Requirement Specification
- ➢ Pending – By default, the status of Out-pass is 'Pending' (And student cannot able to go out).
- ➢ Approved – If Warden/care taker accept the out-pass, then the status of the out-pass is 'Approved' (and student can able to go out).
- ➢ Rejected - If Warden/care taker reject the out-pass, then the status of the out-pass is 'Rejected' (and student cannot able to go out).

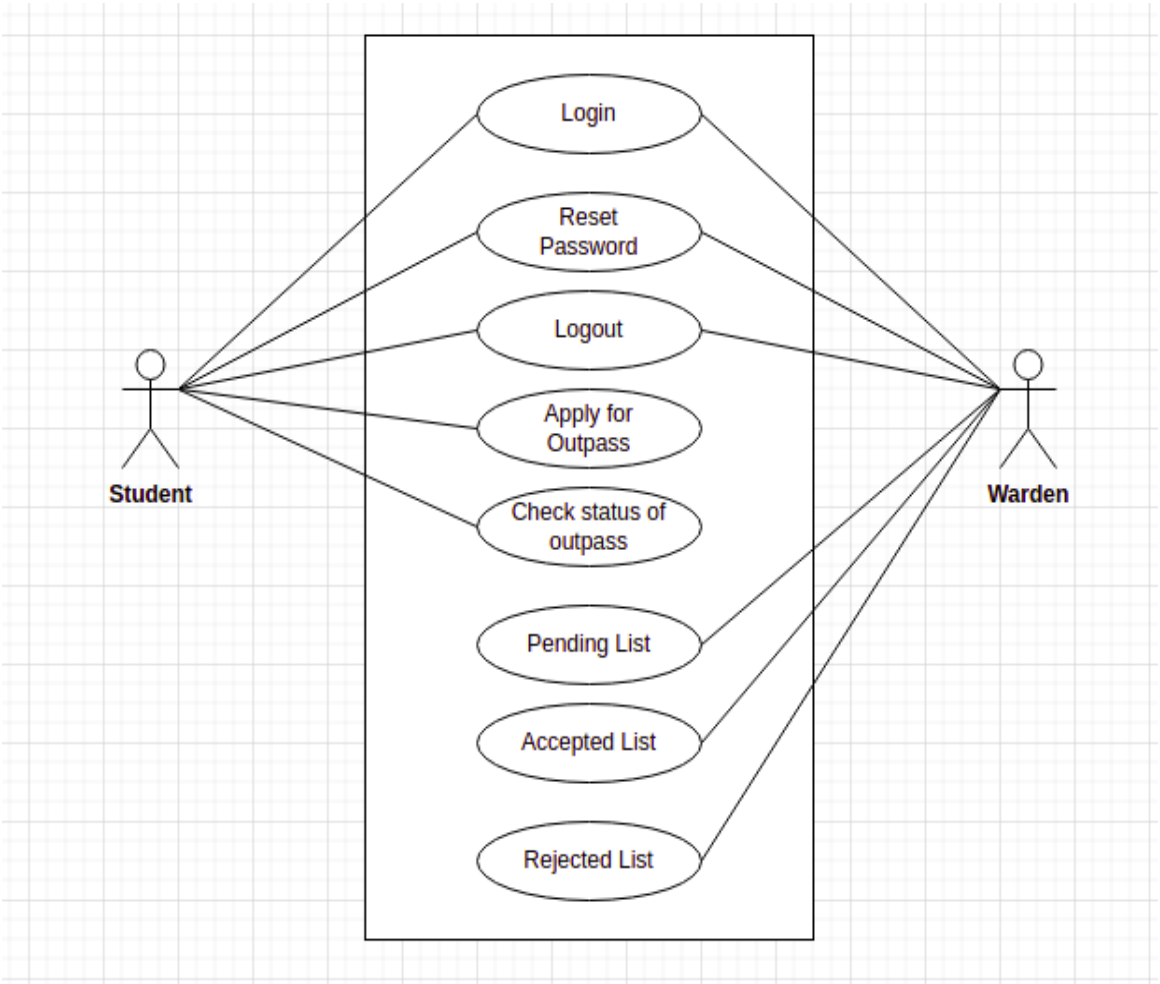
2. Overall Description:

Out-Pass system for hostels where students get to take permission of Warden/care taker just by filling up a simple form.

The student login's and fills the out-pass form and waits for the reply from the authorities(caretaker/warden). By default, the status of the out-pass is "pending". The Warden gets all the Out-pass Applications from students and have the power whether to accept or reject the out-pass. Warden/care taker can take further steps of verification and decides whether to approve or reject the Out-pass. If accepted the status is "Approved" or if rejected the status is "rejected" and the status displayed on the student's view-status page. Warden can also able to see the all approved and rejected out-pass details.

2.1. **Product Perspective:** This product aimed toward a hostel where to reduce the hassle the students, have to go through while getting permission from respective authorities (warden/care taker) before leaving the hostel campus.

2.2. Product Functions: OSS should support this use case



2.3. **User Characteristics**: User should be familiar with the terms like login, apply, check status, pending list, accepted list, rejected list etc.

2.4. **Principle Actors:**

2 Principle Actors are Student and warden.

3. Specific Requirements:

3.1. **Functional Requirements:** This section provides requirement overview of the system. Various functional modules that can be implemented by the system will be -

- **Login**: Student can login with their credentials (user id: id number and by default password is 10 th class hall ticket number)

Warden can login with their credentials (credentials will be

given by chief warden that are directly enter in database by chief warden).

- **Home**: In home page the details like name, student Id/ Employee Id, gender, email Id, designation of the user (student / warden) will show.
- **Apply**: This is for Students where they can fill the application form for the out-pass. Here Student must fill the basic details like Guardian Name, Guardian Ph. No., Student Ph. No., From Date, To Date, Reason for Out-pass.
- **Check Status:** This is for the students where they can check the status of the out pass.
- **Pending List:** This is page where the warden checks the all registration details and here warden can accept or reject the application for by clicking on respective buttons.
- **Accepted List:** This is the page where warden can see the details of all approved out-passes.
- **Rejected List:** This is the page where warden can see the details of all rejected out-passes. If warden rejected the out-pass by mistake, there is an option to accept that type of out-pass on rejected list page by clicking on 'Accept' button.
- **Reset Password**: Student and warden can change the password by entering the current password and new password

- **Logout:** Student and warden can able to logout. It will Redirected to Login page.

3.2. Non-Functional Requirements:

Following Non-Functional Requirements will be ther in the insurance to the internet:

- ➢ Secure access to Student's and Warden confidential data.
- ➢ 24X7 availability.
- ➢ Better component design to get better performance at peak time.
- ➢ Flexible service-based architecture will be highly desirable for future extension.

Non-Functional Requirements define system properties and constraints. Various other Non-Functional Requirements are:

- → Security
- → Maintainability
- → Portability
- → Compatibility

3.3. Technical Issues: This system will work on client-server architecture. It will require an internet server and which will be able to run PHP application. The system should support some commonly used browser such as Mozilla Firefox, chrome, IE etc.

4. Software Interface:

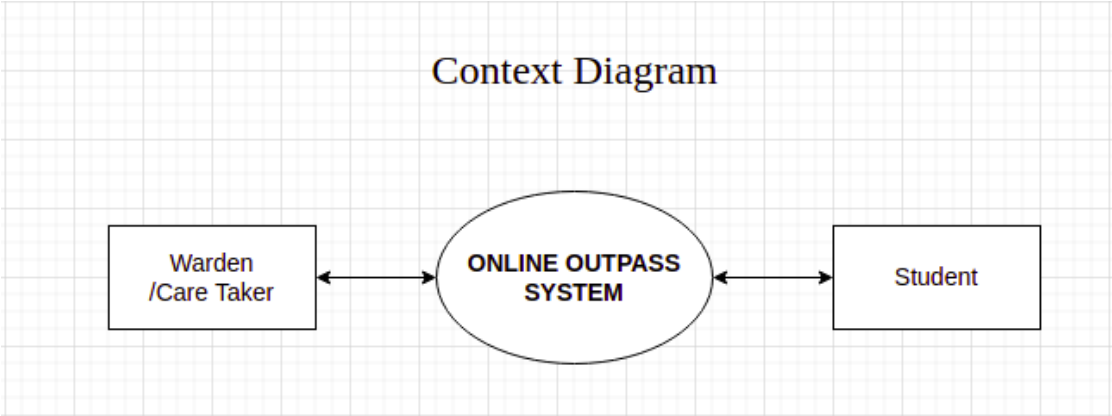
4.1.Operating System: Linux/Windows.
4.2.Browser: Mozilla Firefox/chrome/IE.

5. Hardware Interface: Hardware requirements for insurance on internet will be same for both parties which are as follows:

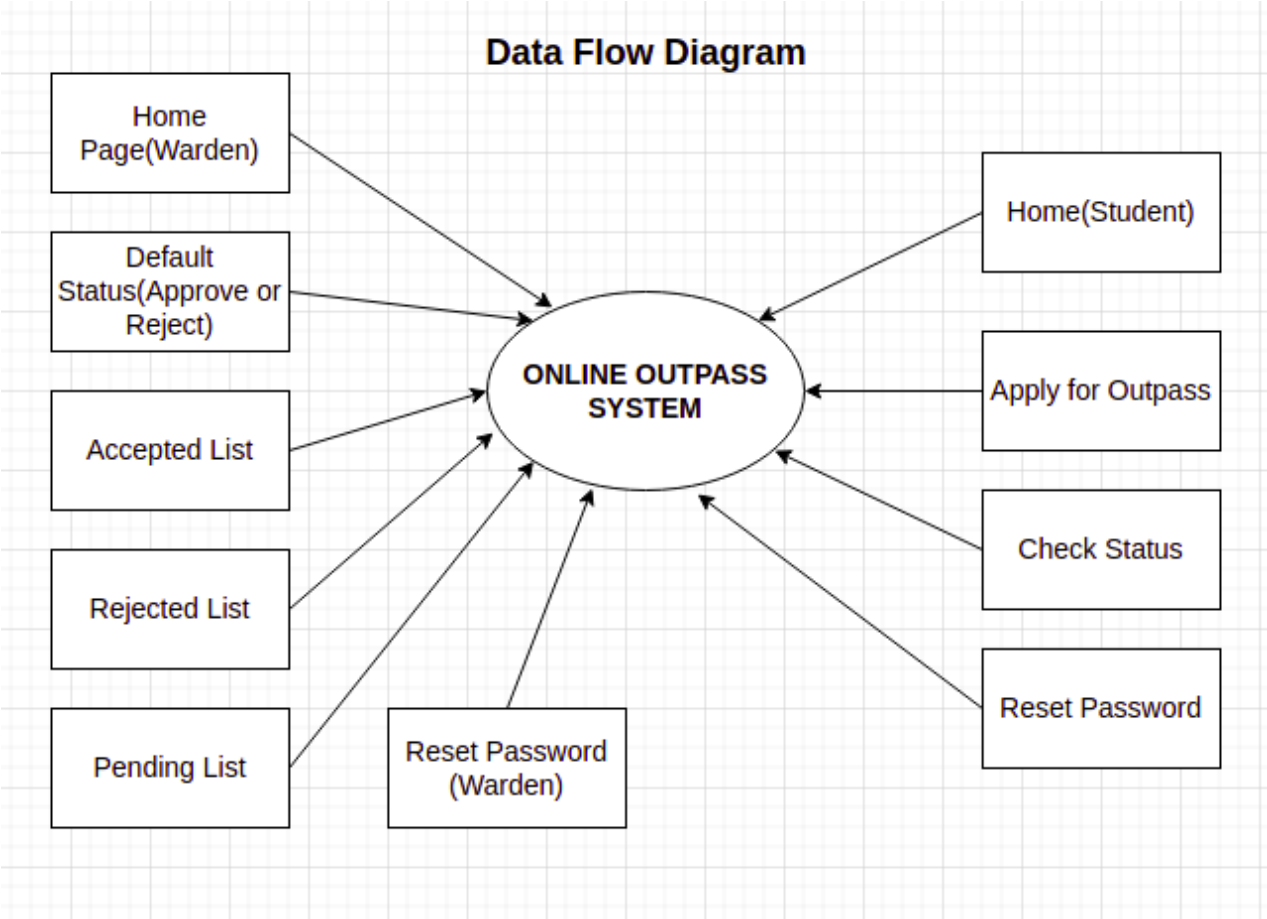
Processor: Dual Core
RAM:2 GB
Hard Disk:100GB
NIC (Network Internet Card): For each party

6. System Design:

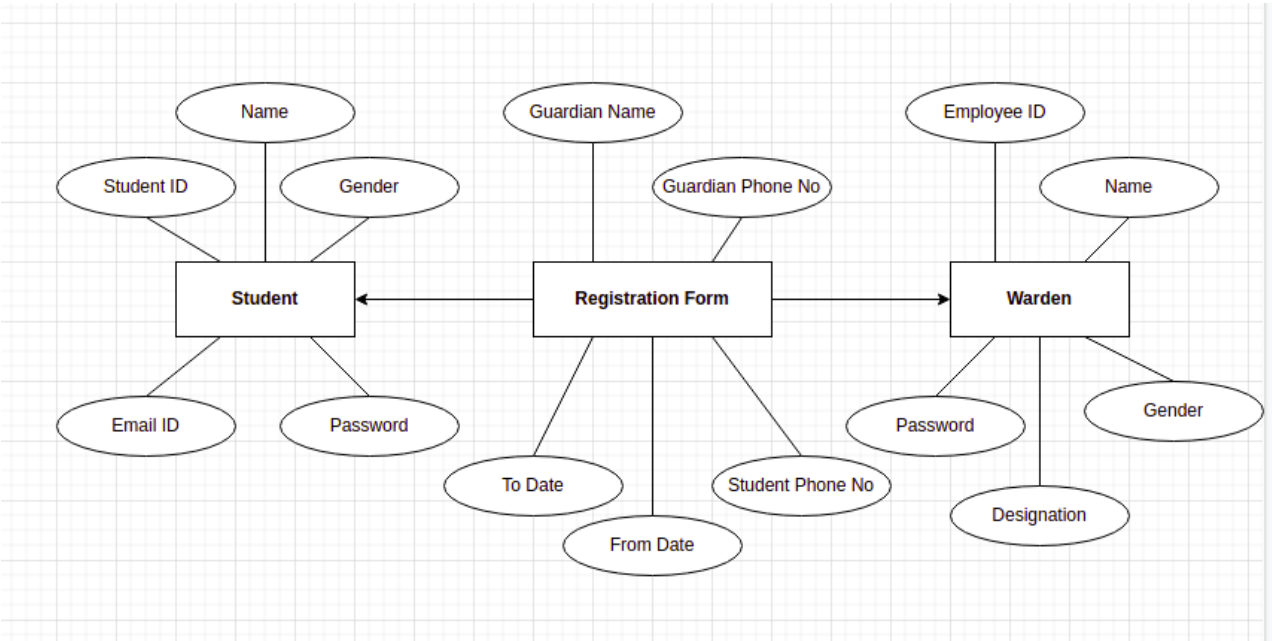
6.1. Context Free Diagram



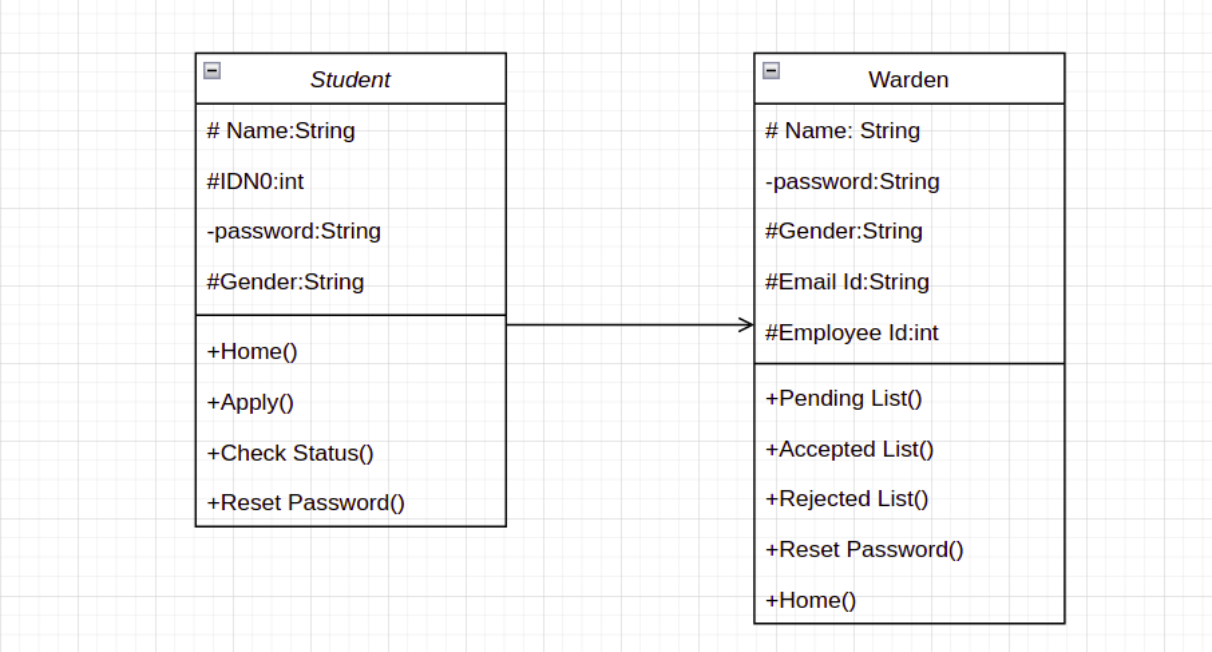
6.2. Data Flow Diagram



6.3. ER Diagram

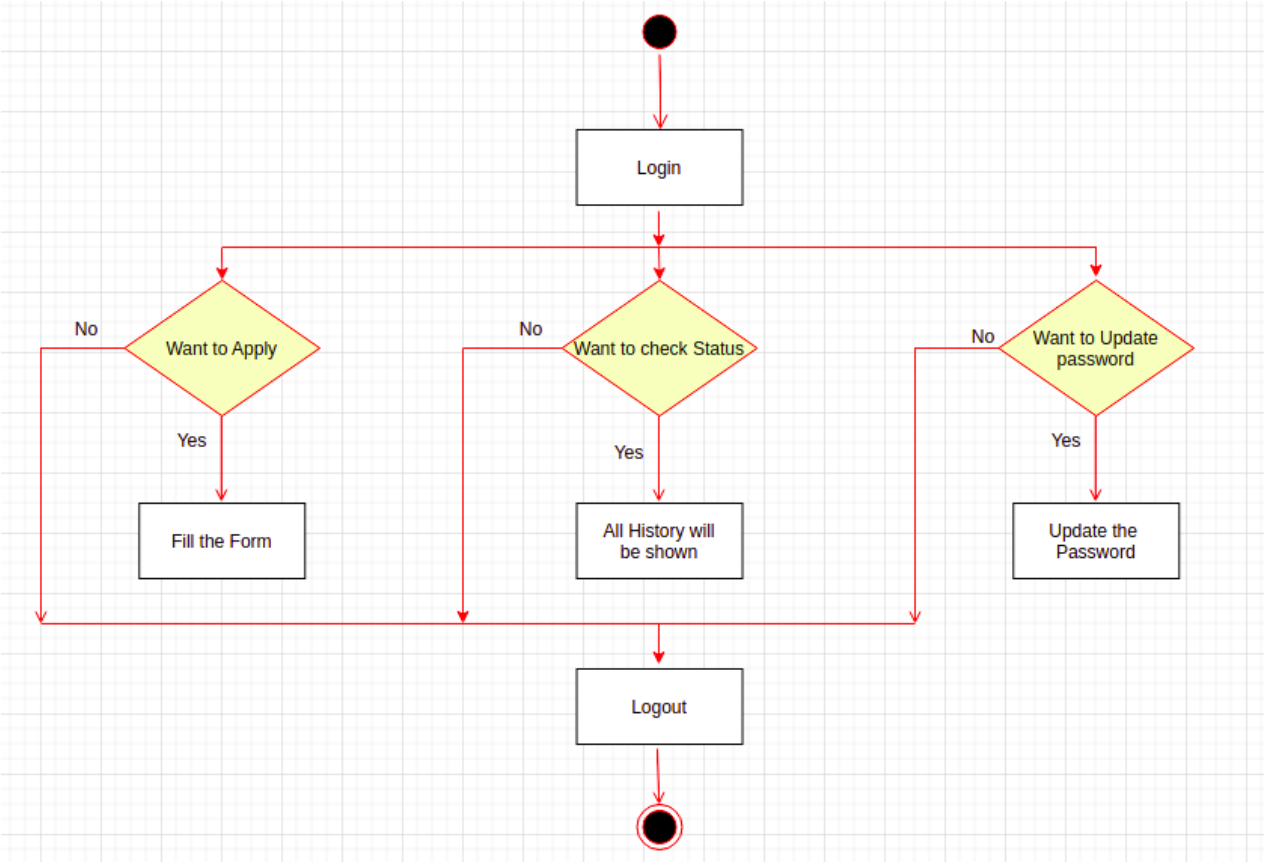


6.4. Class Diagram

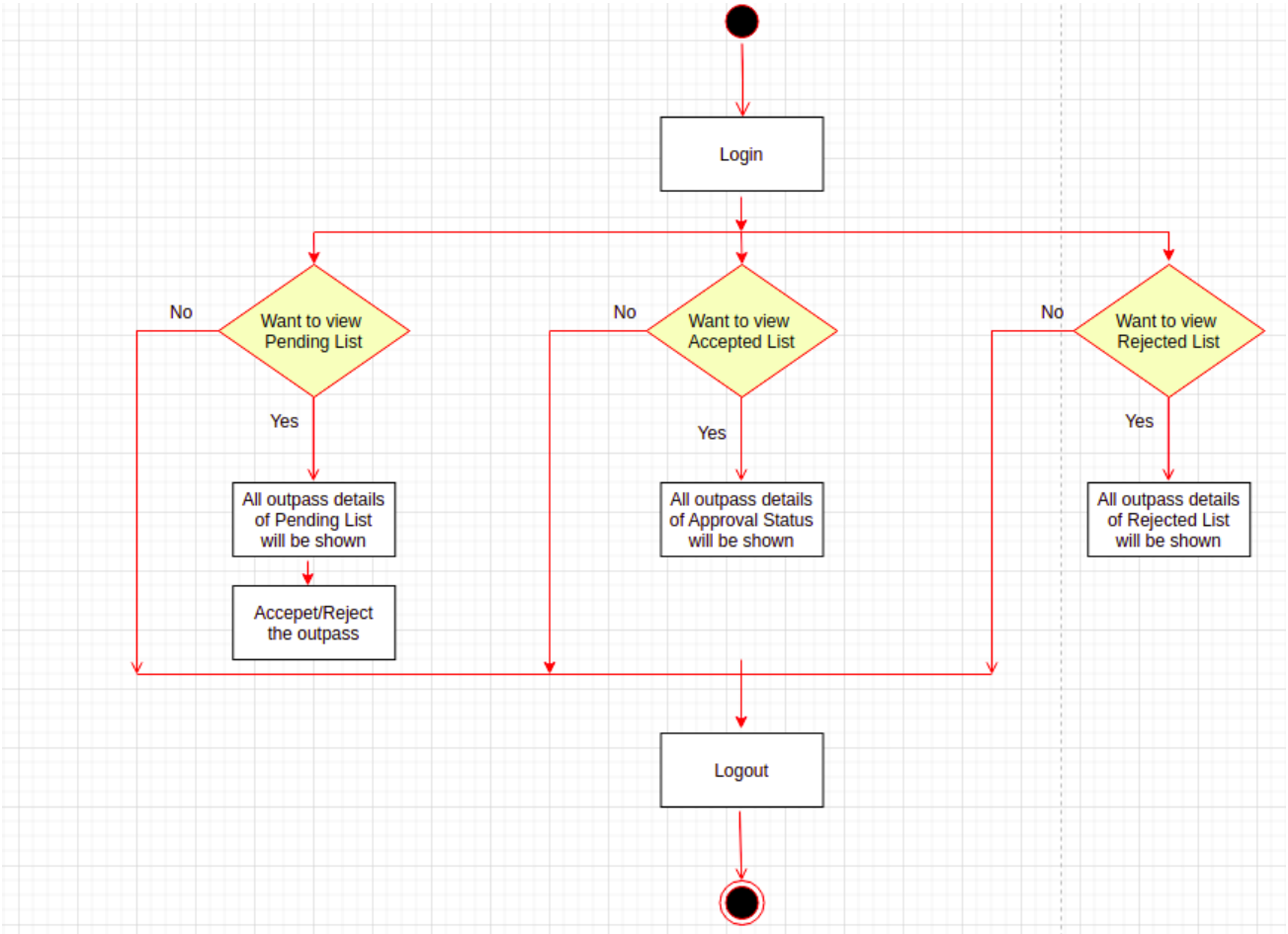


6.5. Activity Diagram

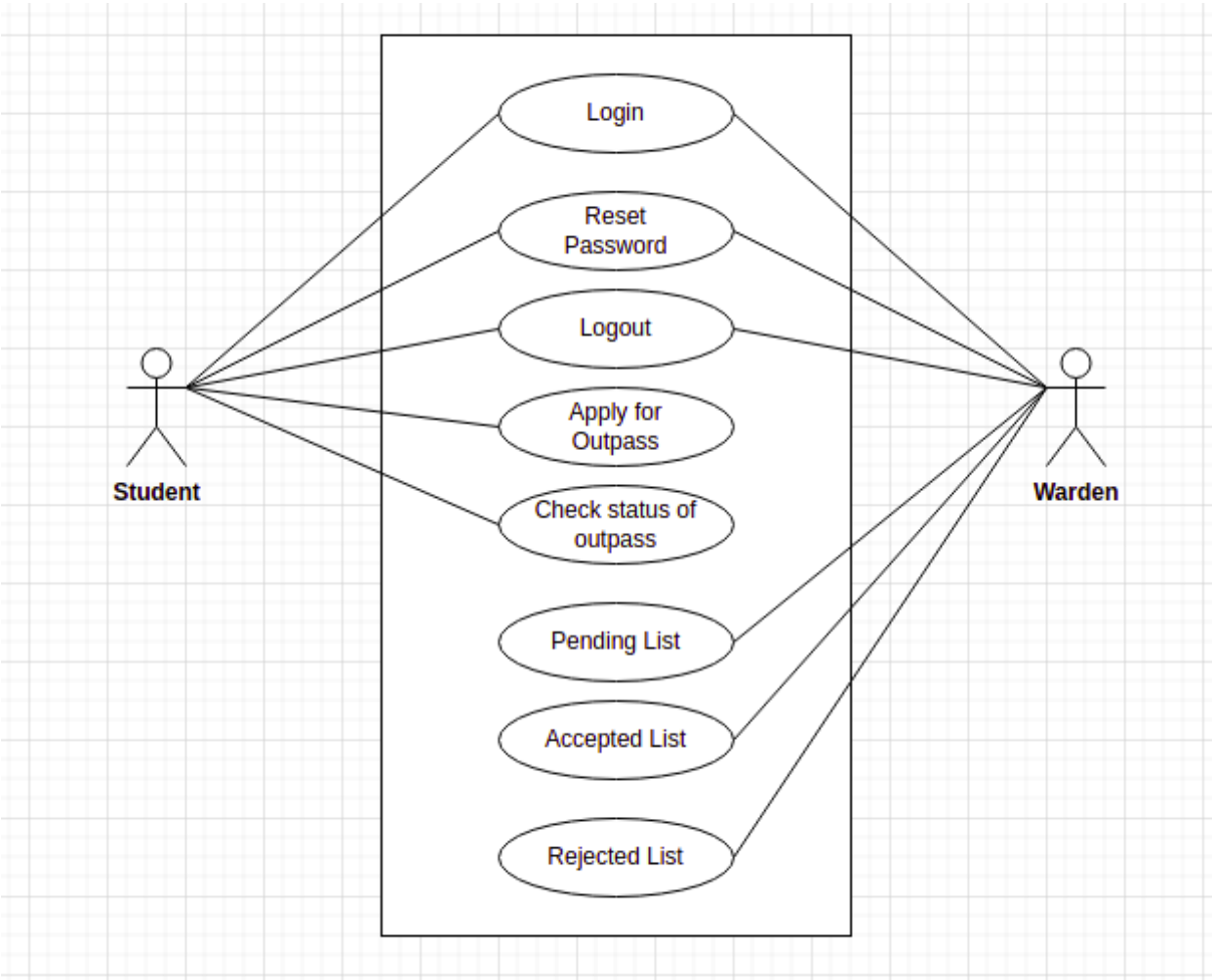
- **Student Activity Diagram**



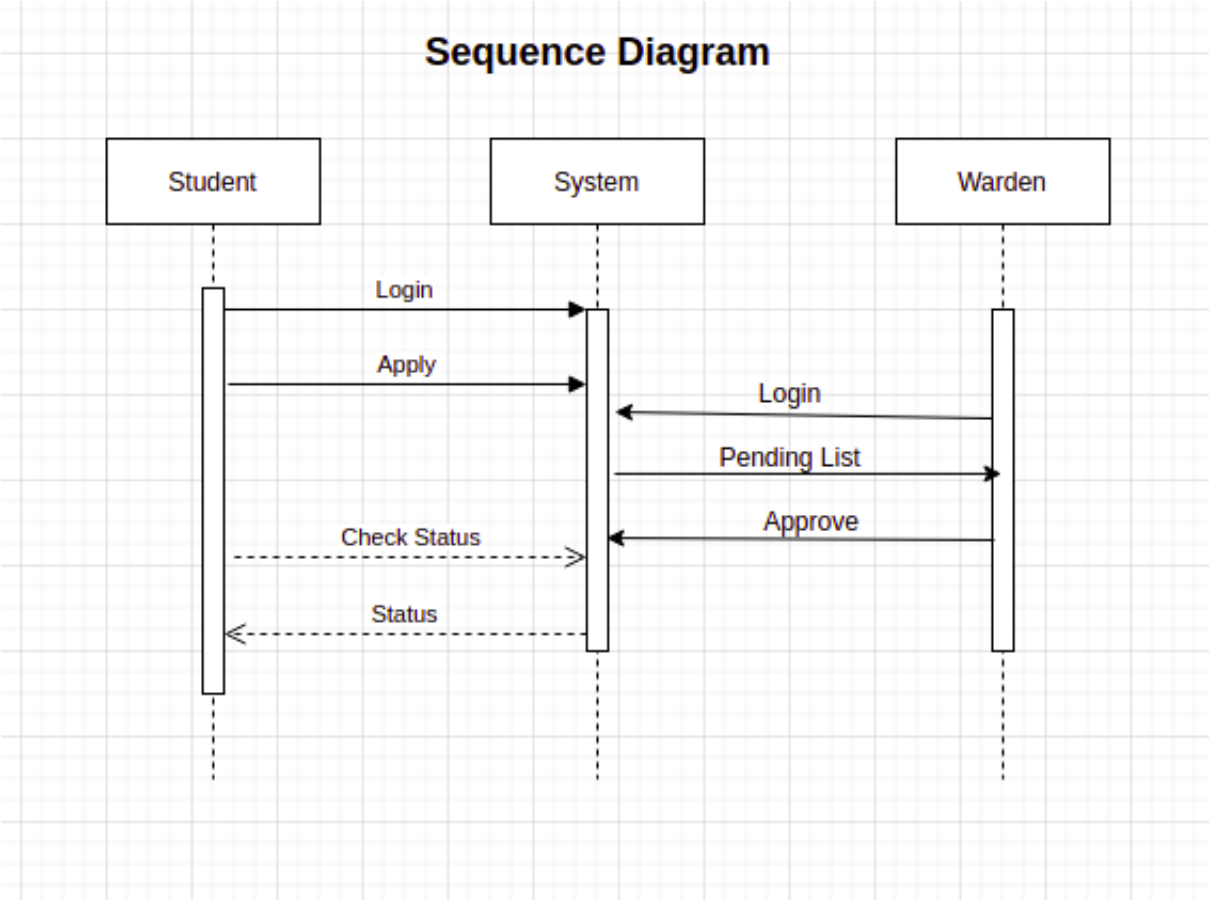
• **Warden Activity Diagram**



6.6. Use case Diagram



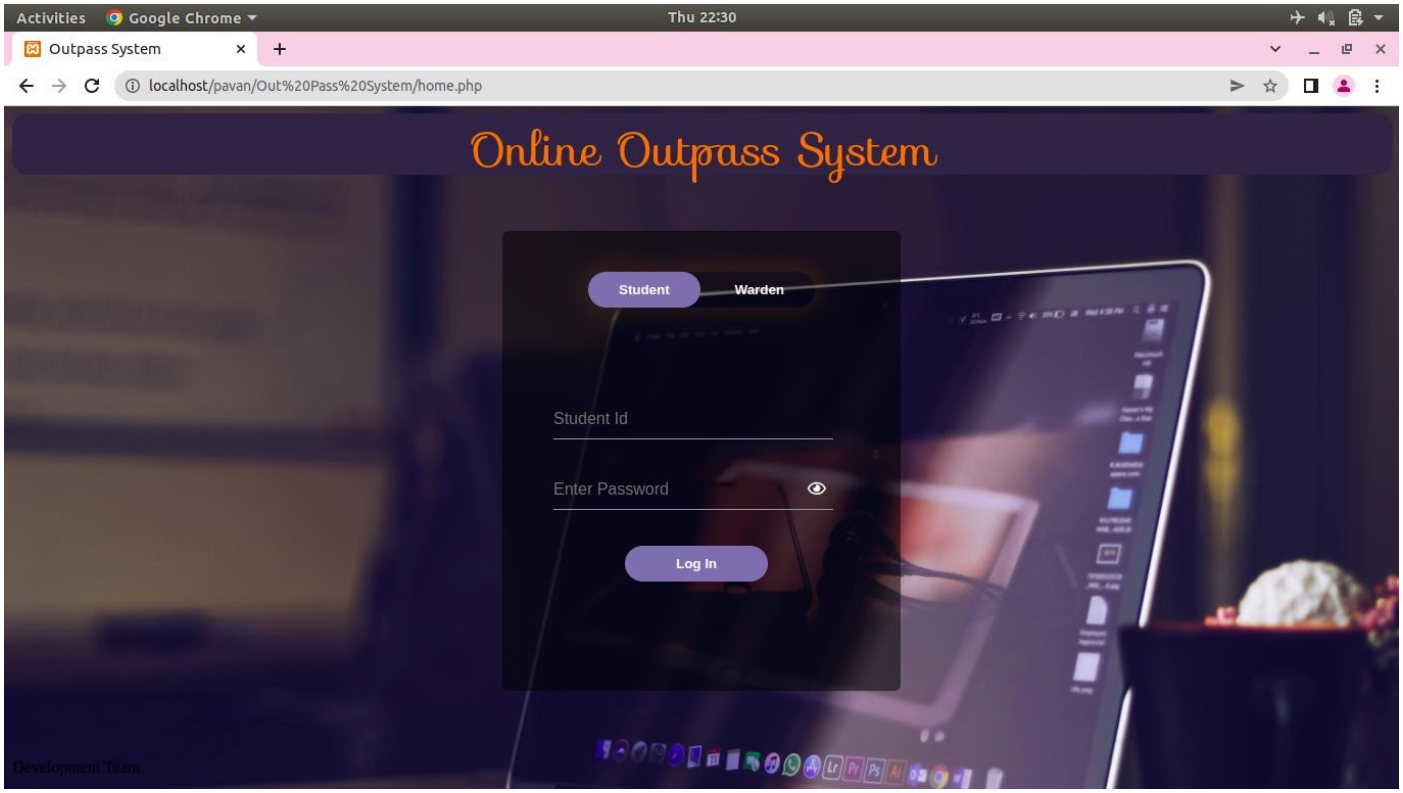
6.7. Sequence Diagram


Sequence Diagram
Student
System
Warden
Login
Apply
Login
Pending List
Approve
Check Status
Status

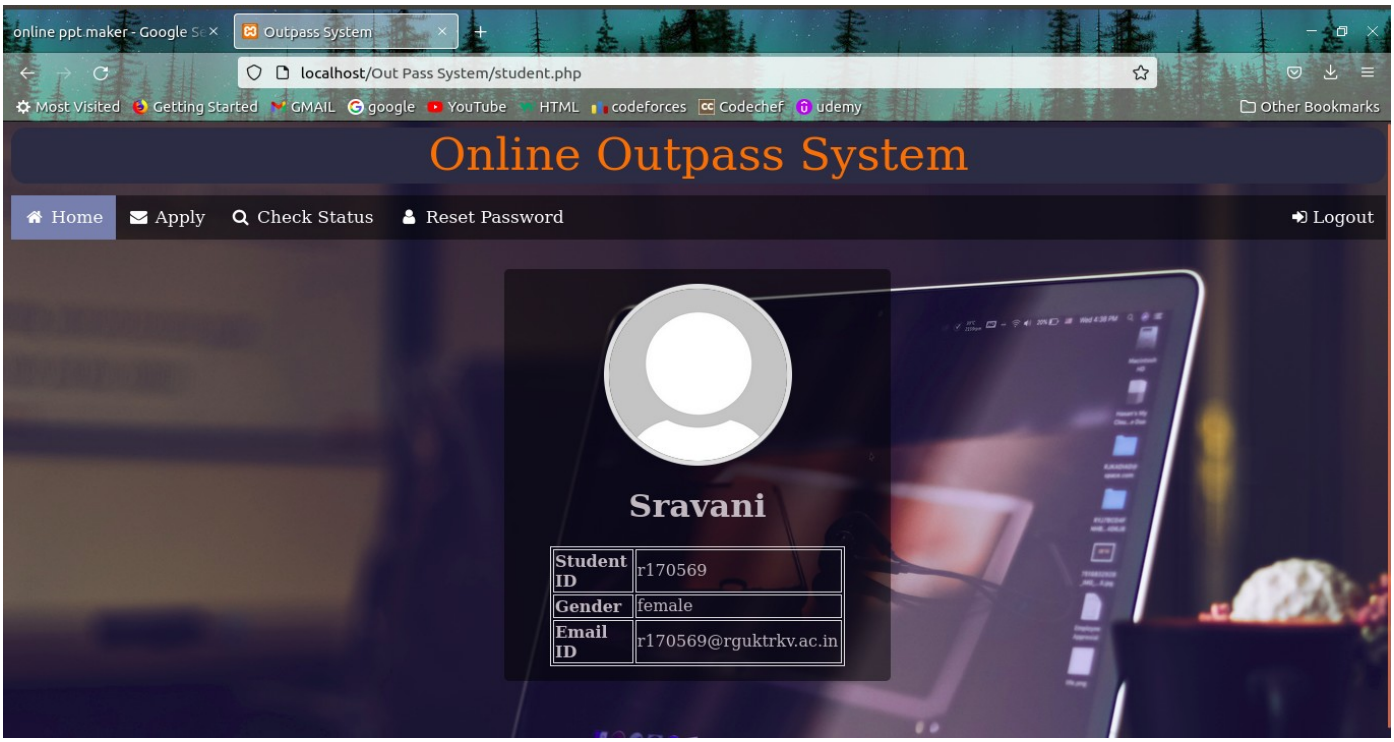
Evaluation

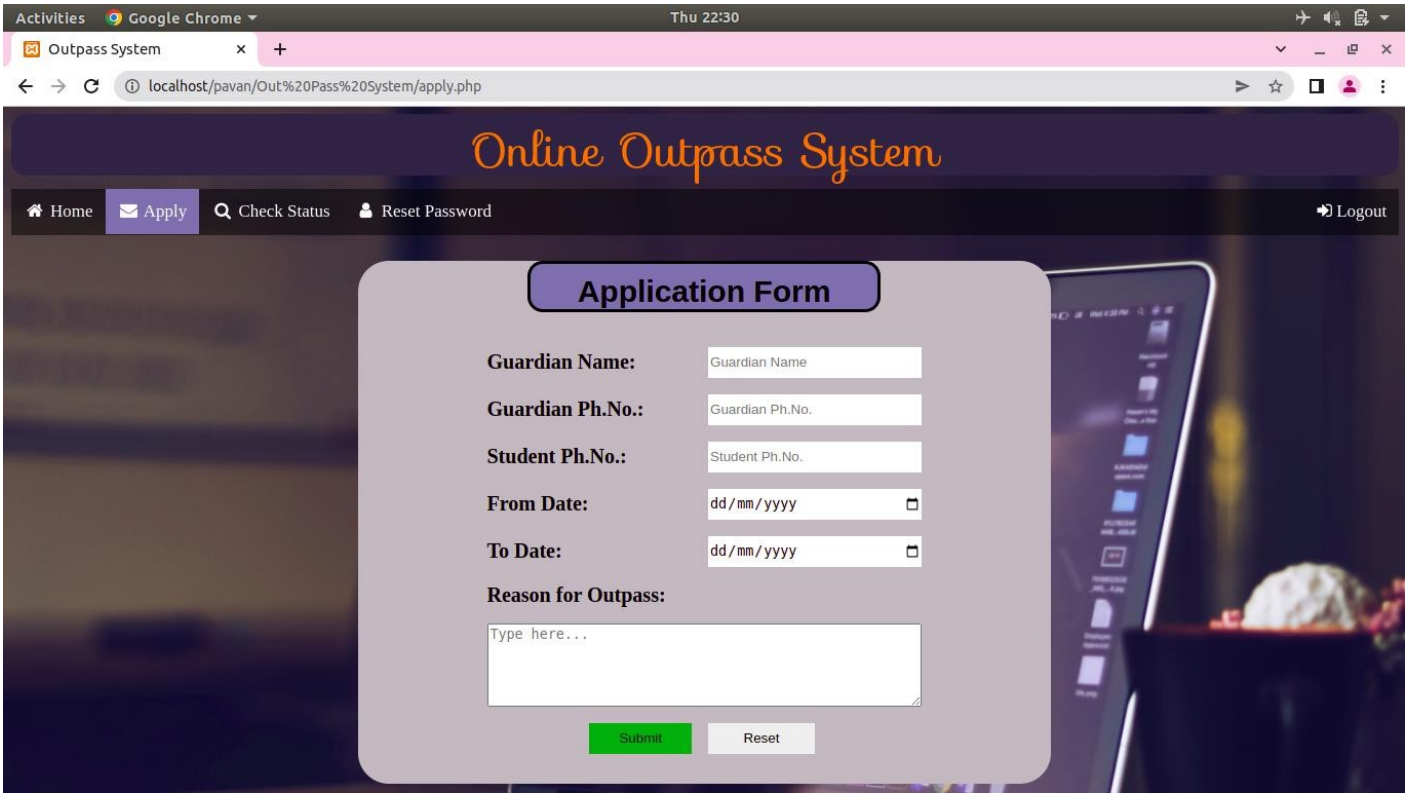
Project URL: http://localhost/Out Pass System

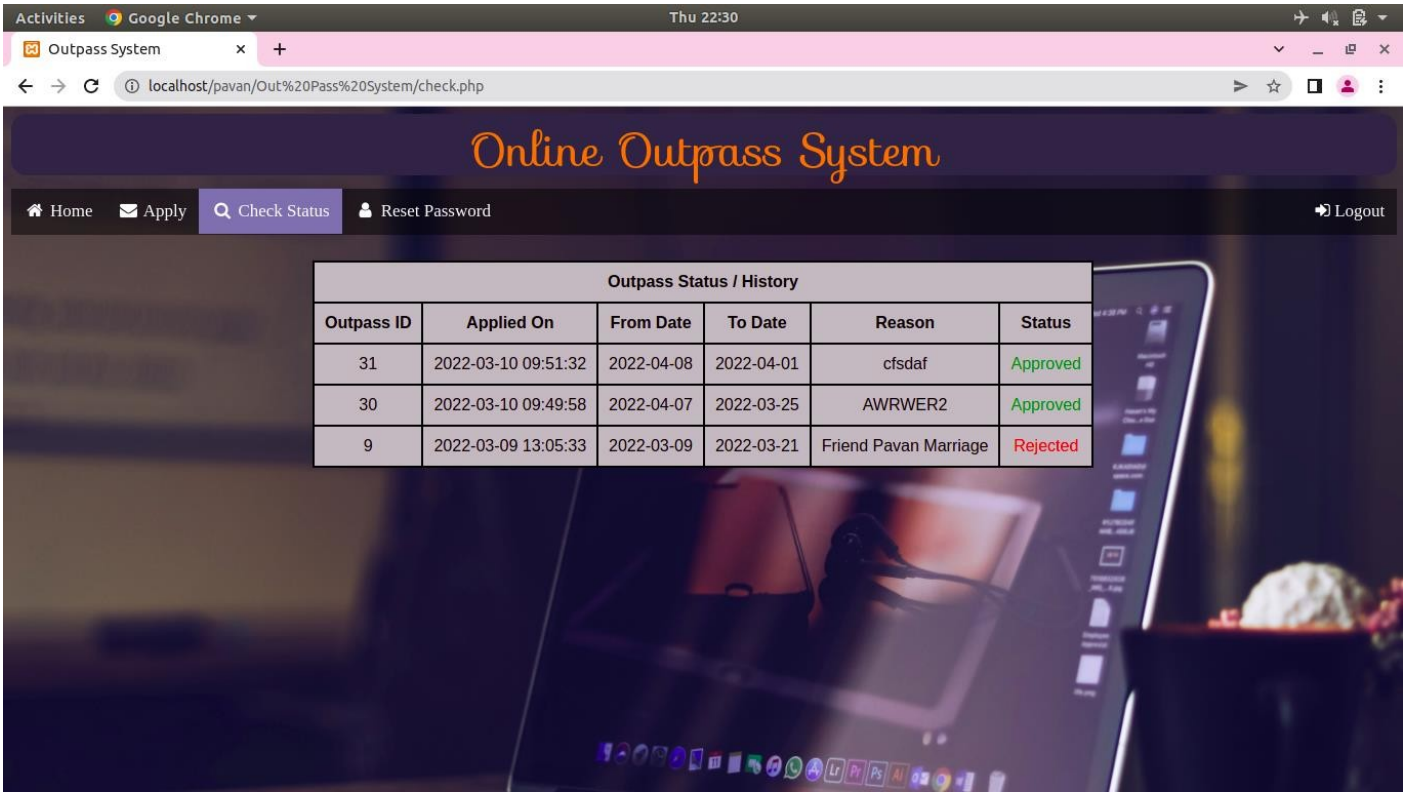
HOME PAGE:

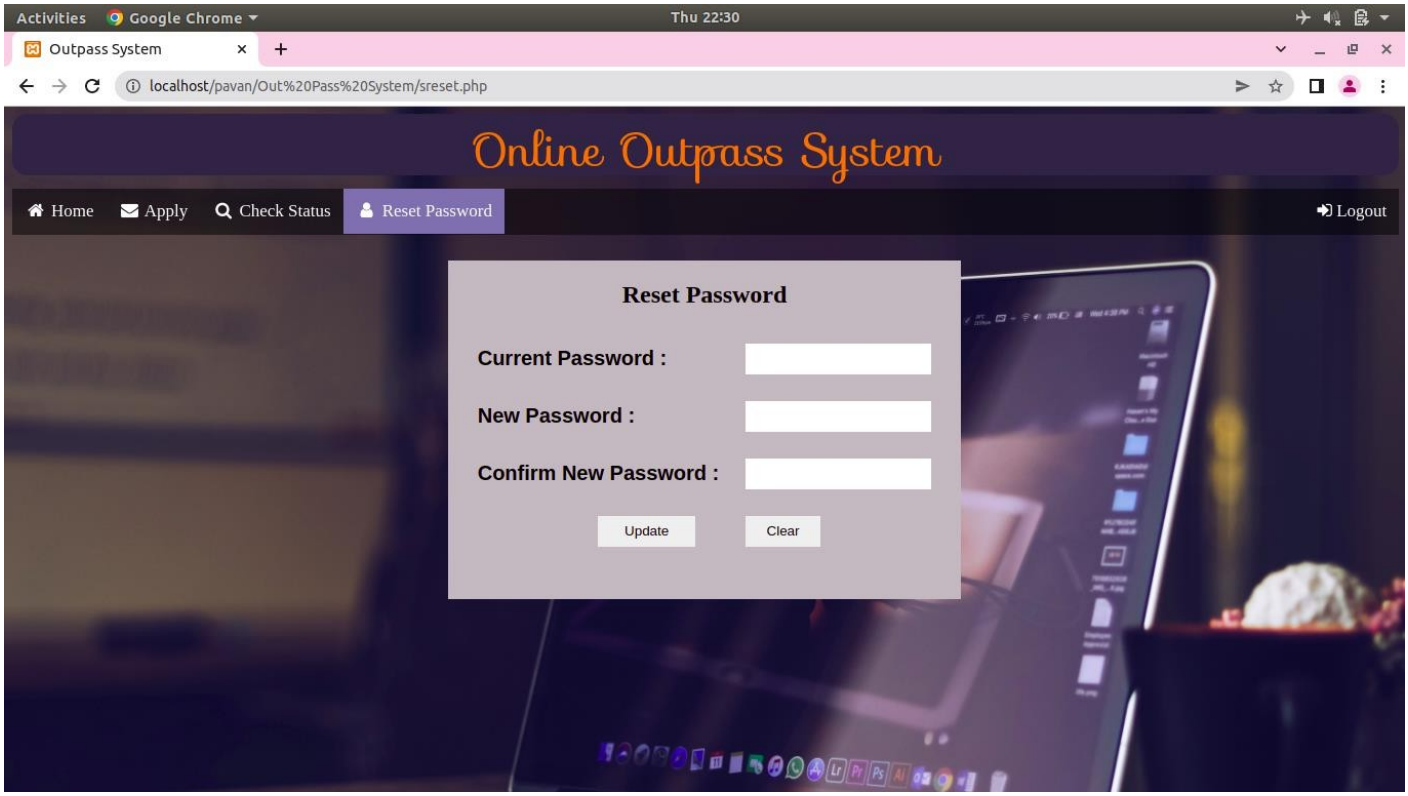


STUDENT INTERFACE:

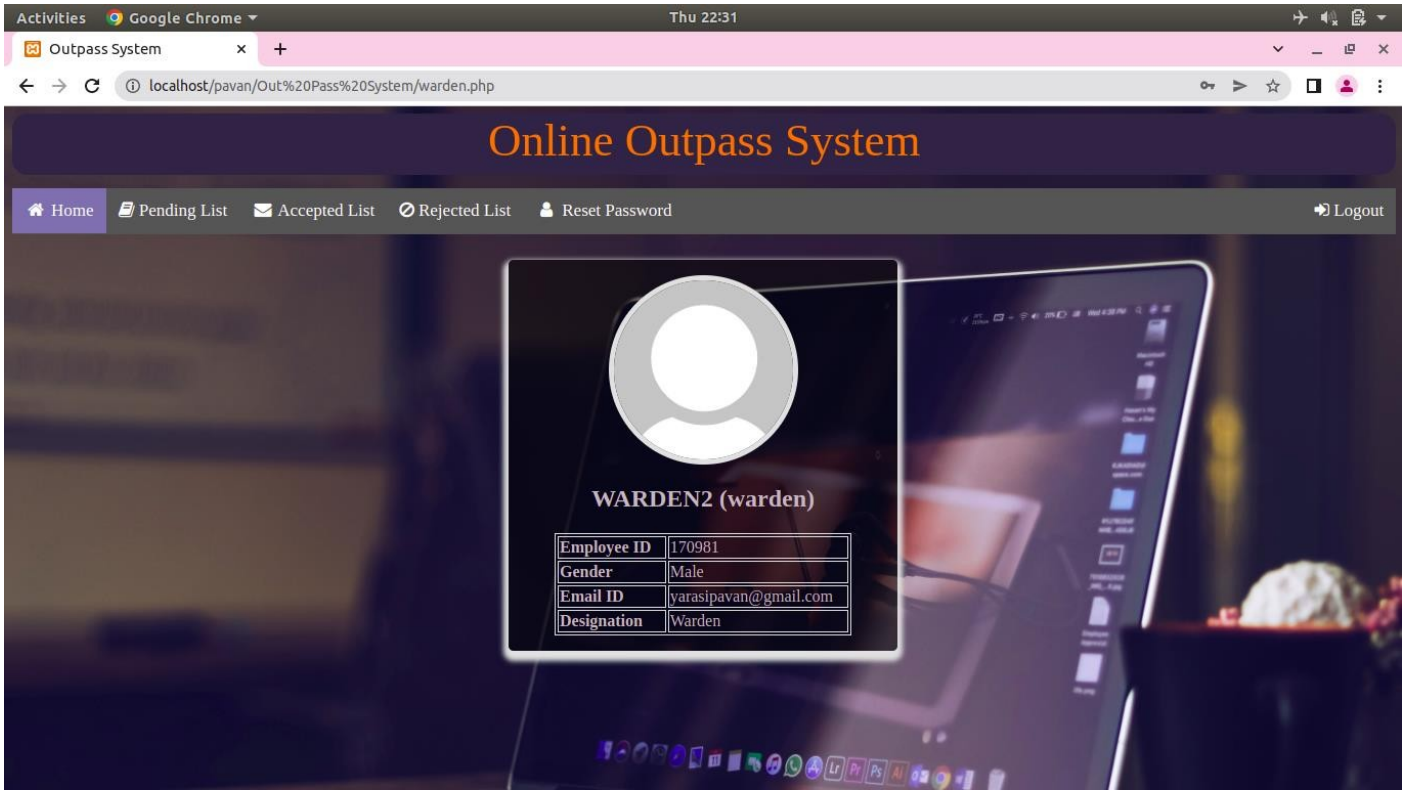


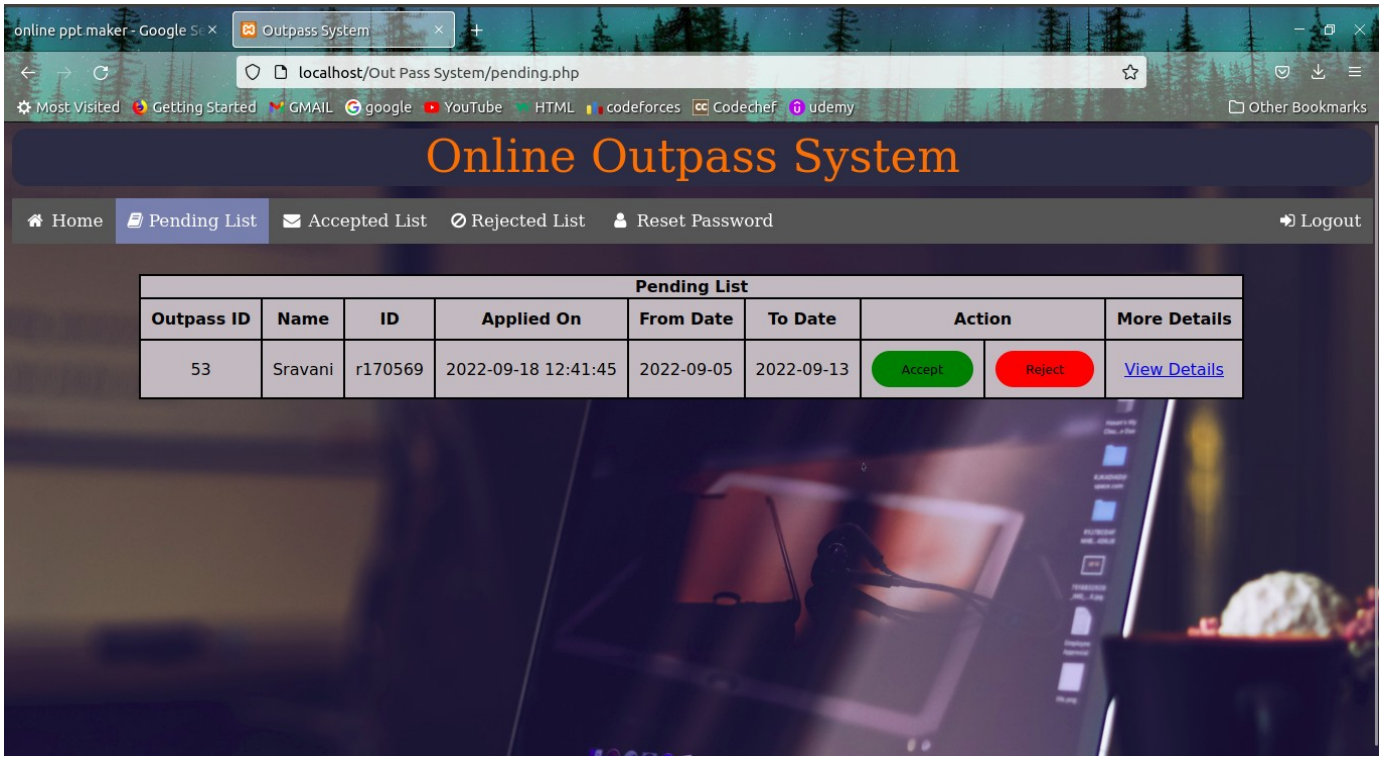

Activities
Google Chrome
Thu 22:30
Outpass System
localhost/pavan/Out%20Pass%20System/apply.php
Online Outpass System
Home
Apply
Check Status
Reset Password
Logout
Application Form
Guardian Name:
Guardian Name
Guardian Ph.No.:
Guardian Ph.No.
Student Ph.No.:
Student Ph.No.
From Date:
dd/mm/yyyy
To Date:
dd/mm/yyyy
Reason for Outpass:
Type here...
Submit
Reset


Activities
Google Chrome
Thu 22:30
Outpass System
localhost/pavan/Out%20Pass%20System/check.php
Online Outpass System
Home
Apply
Check Status
Reset Password
Logout
Outpass Status / History
Outpass ID
Applied On
From Date
To Date
Reason
Status
31
2022-03-10 09:51:32
2022-04-08
2022-04-01
cfsdaf
Approved
30
2022-03-10 09:49:58
2022-04-07
2022-03-25
AWRWER2
Approved
9
2022-03-09 13:05:33
2022-03-09
2022-03-21
Friend Pavan Marriage
Rejected



WARDEN INTERFACE:

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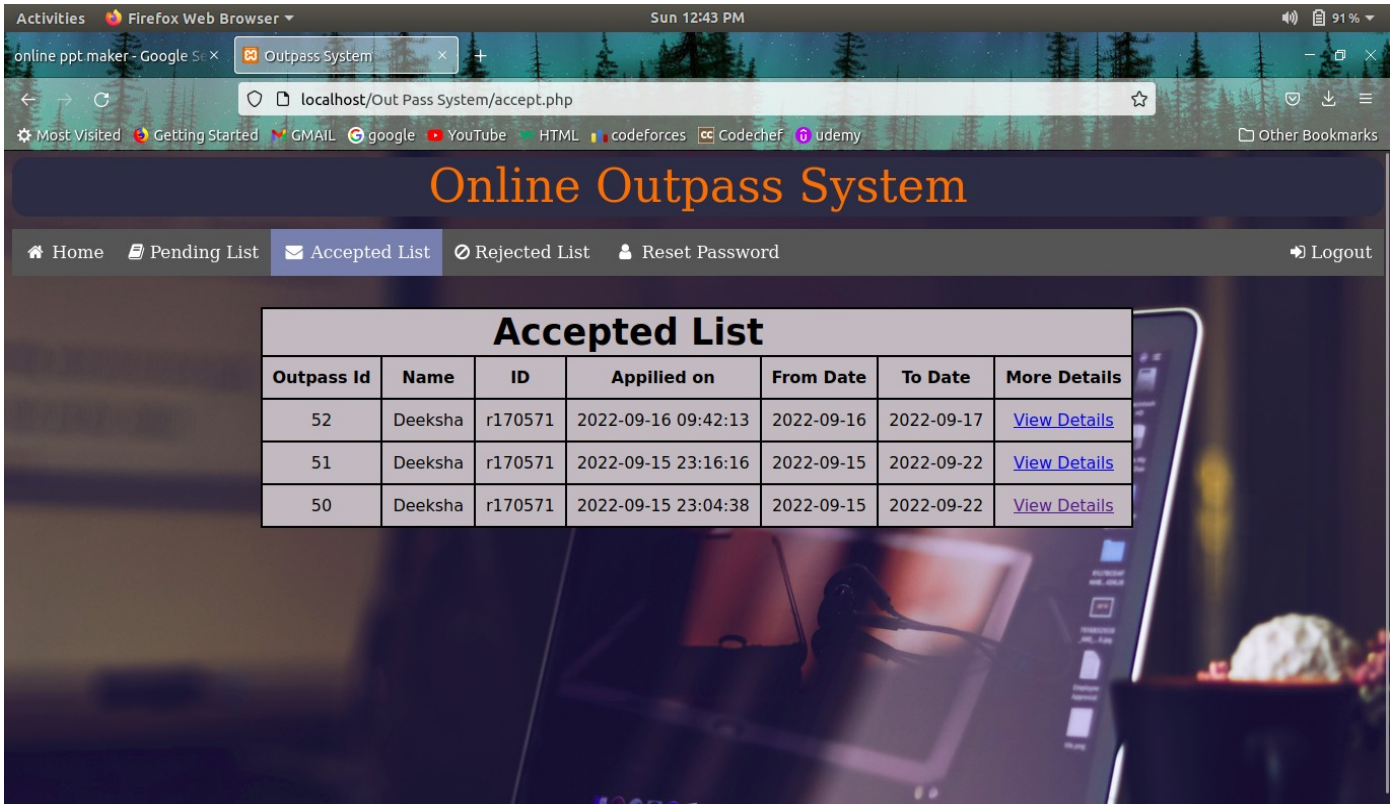
Outpass System
localhost/Out Pass System/pending.php
Most Visited
Getting Started
GMAIL
google
YouTube
HTML
codeforces
Codechef
udemy
Other Bookmarks
Online Outpass System
Home
Pending List
Accepted List
Rejected List
Reset Password
Logout
Pending List
Outpass ID
Name
ID
Applied On
From Date
To Date
Action
More Details
53
Sravani
r170569
2022-09-18 12:41:45
2022-09-05
2022-09-13
Accept
Reject
View Details


Activities
Firefox Web Browser
Sun 12:43 PM
91 %
online ppt maker - Google Se
Outpass System
localhost/Out Pass System/accept.php
Most Visited
Getting Started
GMAIL
google
YouTube
HTML
codeforces
Codechef
udemy
Other Bookmarks
Online Outpass System
Home
Pending List
Accepted List
Rejected List
Reset Password
Logout
Accepted List
Outpass Id
Name
ID
Appilied on
From Date
To Date
More Details
52
Deeksha
r170571
2022-09-16 09:42:13
2022-09-16
2022-09-17
View Details
51
Deeksha
r170571
2022-09-15 23:16:16
2022-09-15
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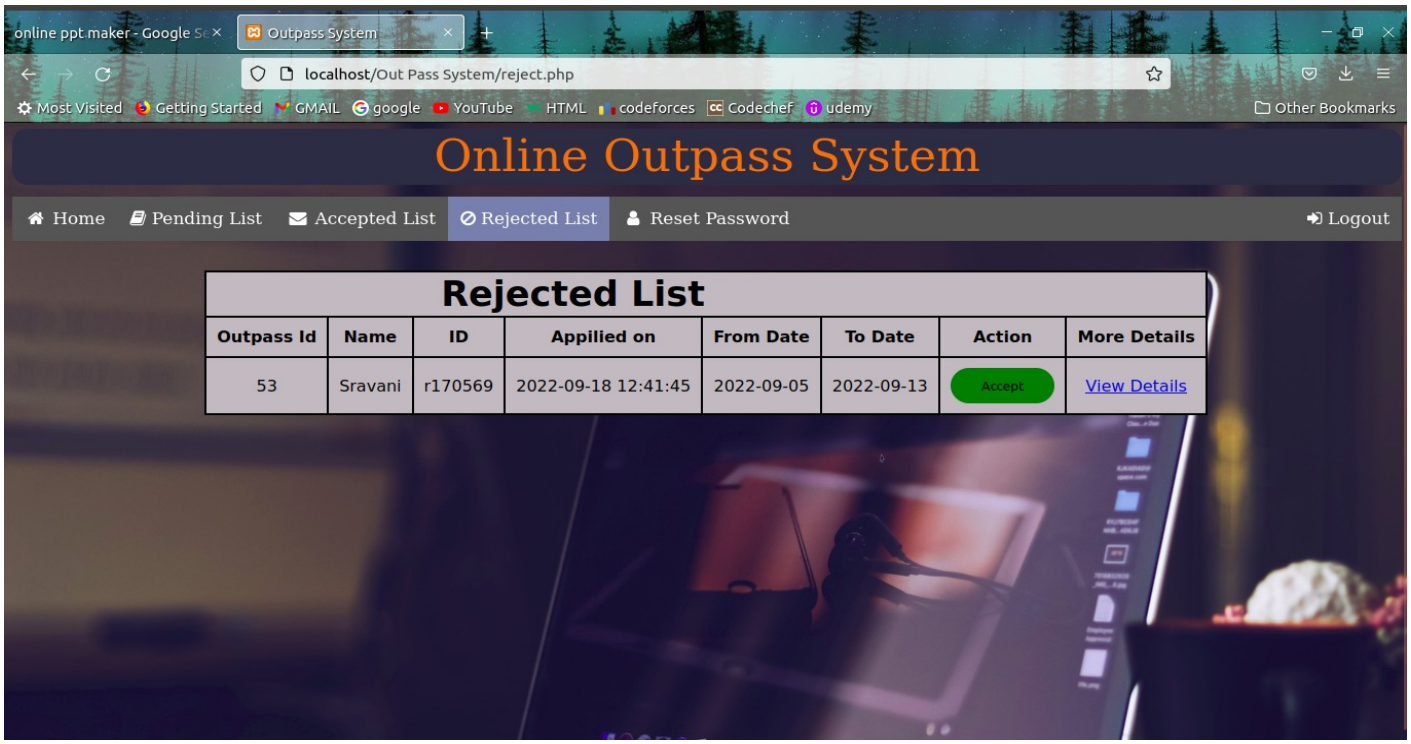
View Details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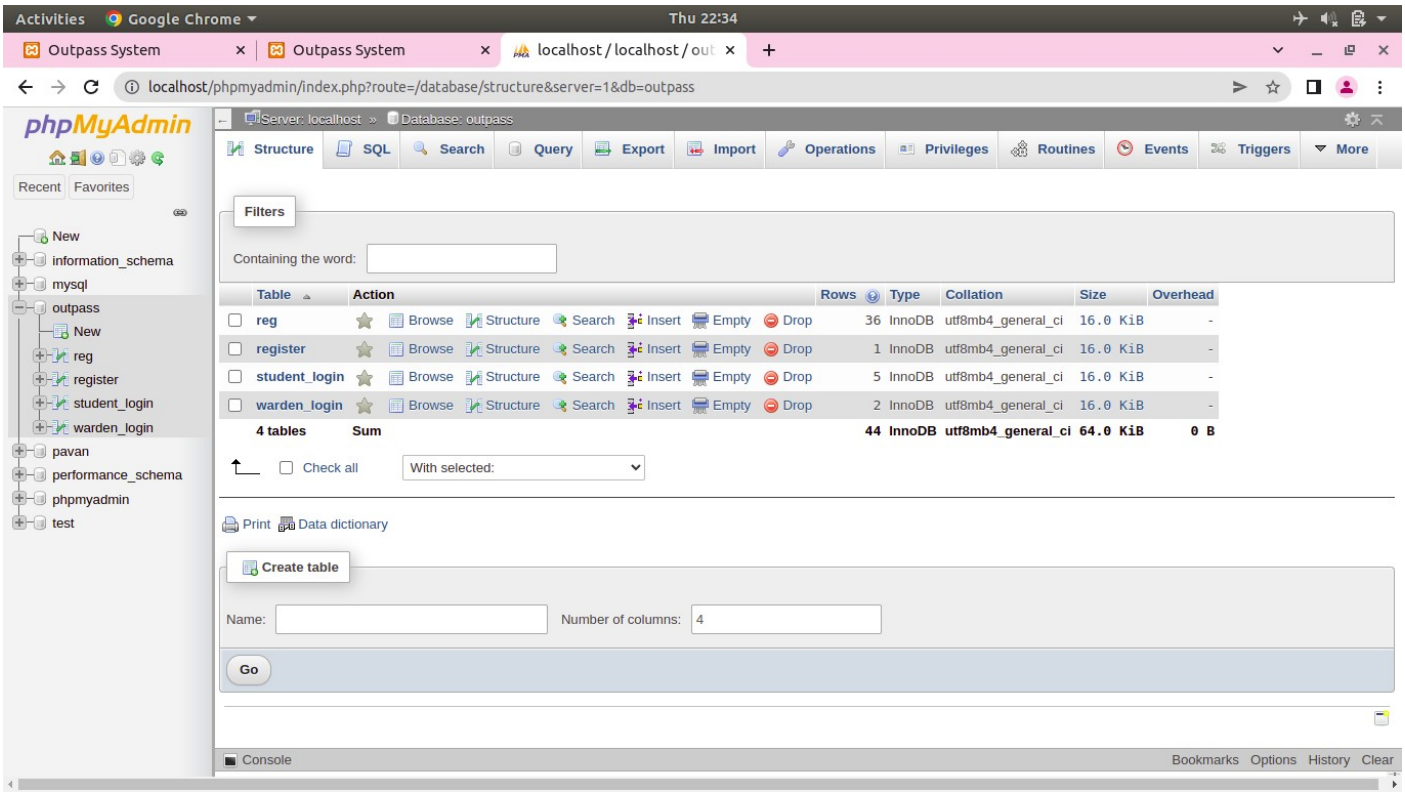
Outpass System
localhost/Out Pass System/reject.php
Most Visited
Getting Started
GMAIL
google
YouTube
HTML
codeforces
Codechef
udemy
Other Bookmarks
Online Outpass System
Home
Pending List
Accepted List
Rejected List
Reset Password
Logout
Rejected List
Outpass Id
Name
ID
Applied on
From Date
To Date
Action
More Details
53
Sravani
r170569
2022-09-18 12:41:45
2022-09-05
2022-09-13
Accept
View Details


Activities
Google Chrome
Thu 22:34
Outpass System
Outpass System
localhost / localhost / out
localhost/phpmyadmin/index.php?route=/database/structure&server=1&db=outpass
phpMyAdmin
Recent
Favorites
New
information_schema
mysql
outpass
New
reg
register
student_login
warden_login
pavan
performance_schema
phpmyadmin
test
Server: localhost » Database: outpass
Structure
SQL
Search
Query
Export
Import
Operations
Privileges
Routines
Events
Triggers
More
Filters
Containing the word:
Table
Action
Rows
Type
Collation
Size
Overhead
reg
register
student_login
warden_login
4 tables
Sum
Check all
With selected:
Print
Data dictionary
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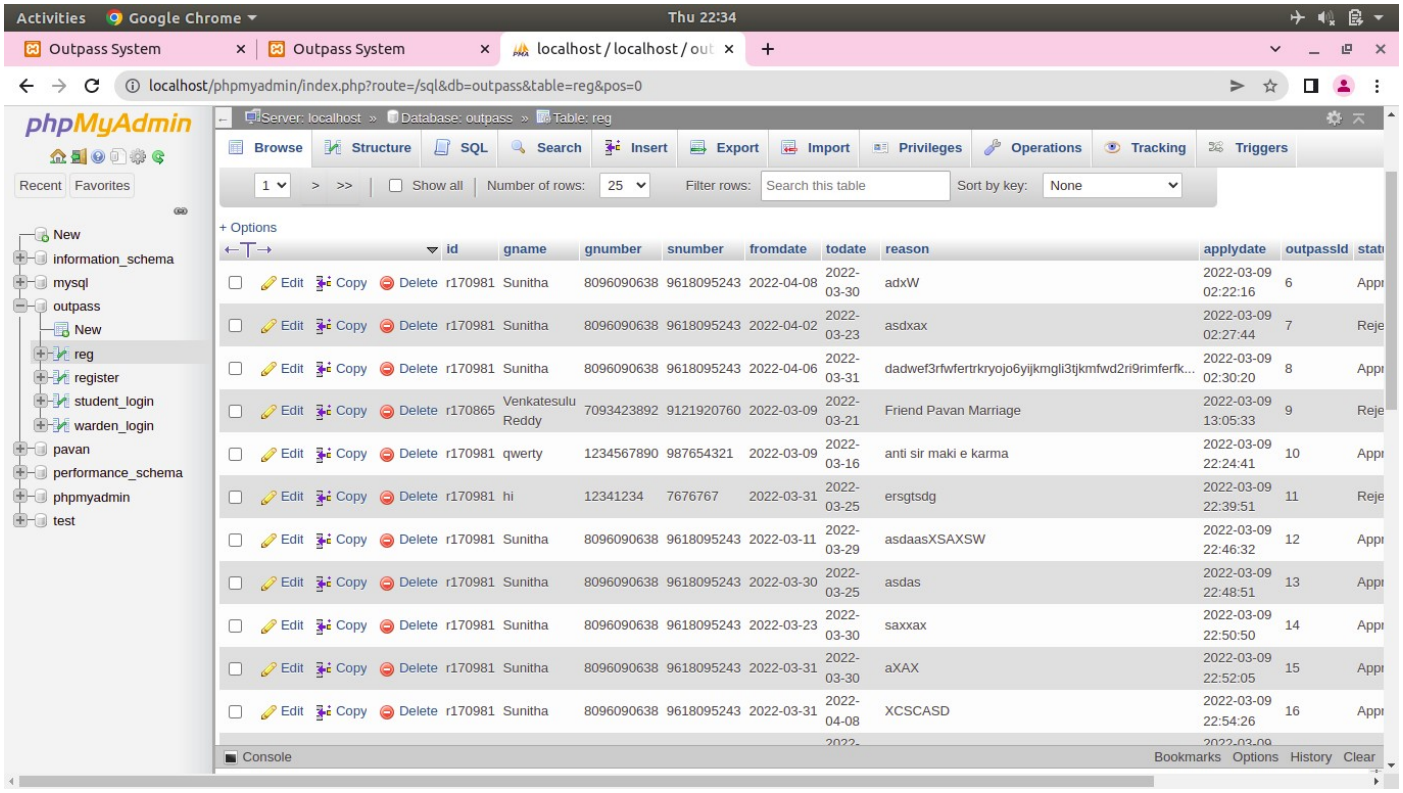
Go
Console
Bookmarks
Options
History
Clear


Activities
Google Chrome
Thu 22:34
Outpass System
Outpass System
localhost / localhost / out
localhost/phpmyadmin/index.php?route=/sql&db=outpass&table=reg&pos=0
phpMyAdmin
Recent
Favorites
New
information_schema
mysql
outpass
New
reg
register
student_login
warden_login
pavan
performance_schema
phpmyadmin
test
Server: localhost » Database: outpass » Table: reg
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
+ Options
id gname gnumber snumber fromdate todate reason applydate outpassId
Edit Copy Delete r170981 Sunitha 8096090638 9618095243 2022-04-08 2022-03-30 adxW 2022-03-09 02:22:16 6
Edit Copy Delete r170981 Sunitha 8096090638 9618095243 2022-04-02 2022-03-23 asdxax 2022-03-09 02:27:44 7
Edit Copy Delete r170981 Sunitha 8096090638 9618095243 2022-04-06 2022-03-31 dadwef3rfwfertrkryojo6yijkmgli3tjkmfwd2ri9rimferfk... 2022-03-09 02:30:20 8
Edit Copy Delete r170865 Venkatesulu Reddy 7093423892 9121920760 2022-03-09 2022-03-21 Friend Pavan Marriage 2022-03-09 13:05:33 9
Edit Copy Delete r170981 qwerty 1234567890 987654321 2022-03-09 2022-03-16 anti sir maki e karma 2022-03-09 22:24:41 10
Edit Copy Delete r170981 hi 12341234 7676767 2022-03-31 2022-03-25 ersgtsdg 2022-03-09 22:39:51 11
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Edit Copy Delete r170981 Sunitha 8096090638 9618095243 2022-03-30 2022-03-25 asdas 2022-03-09 22:48:51 13
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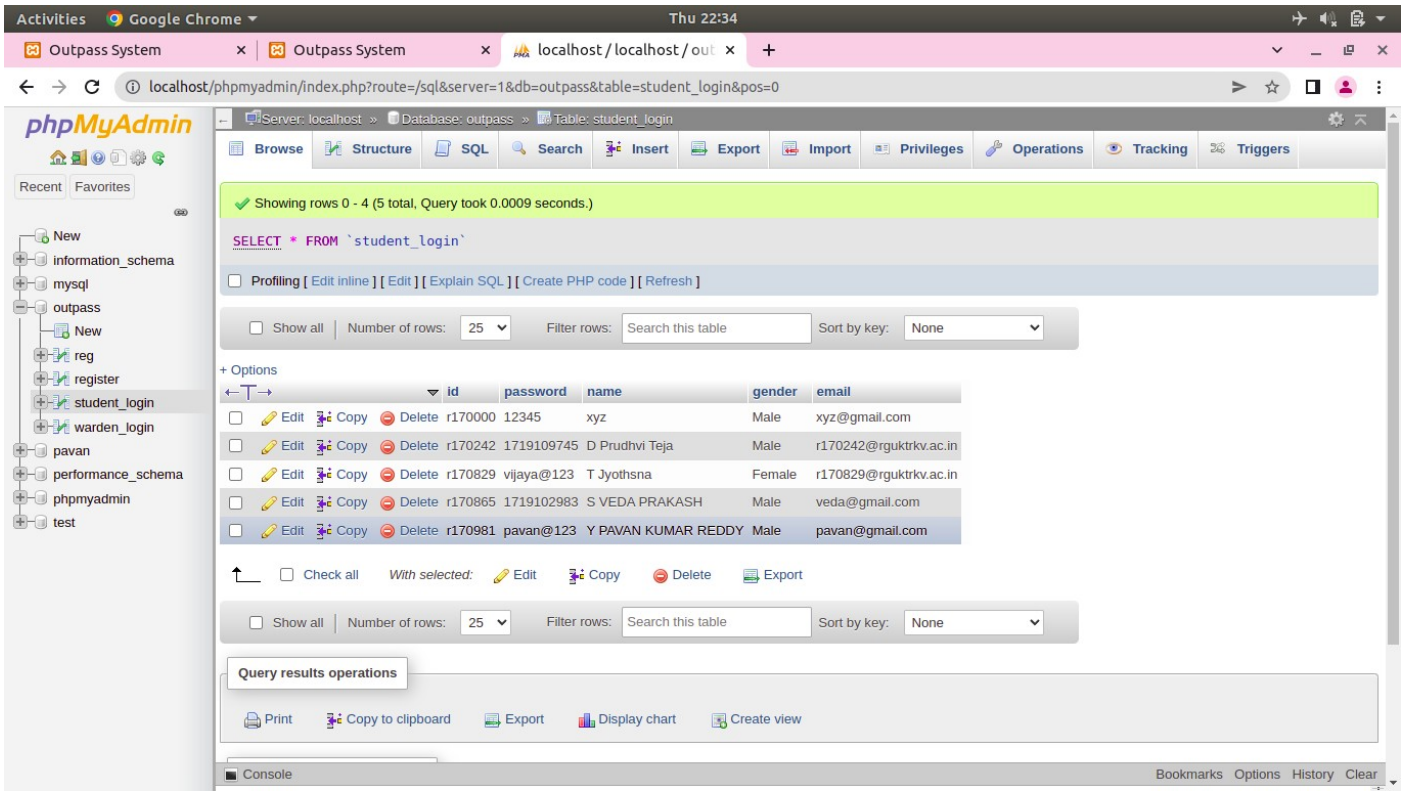
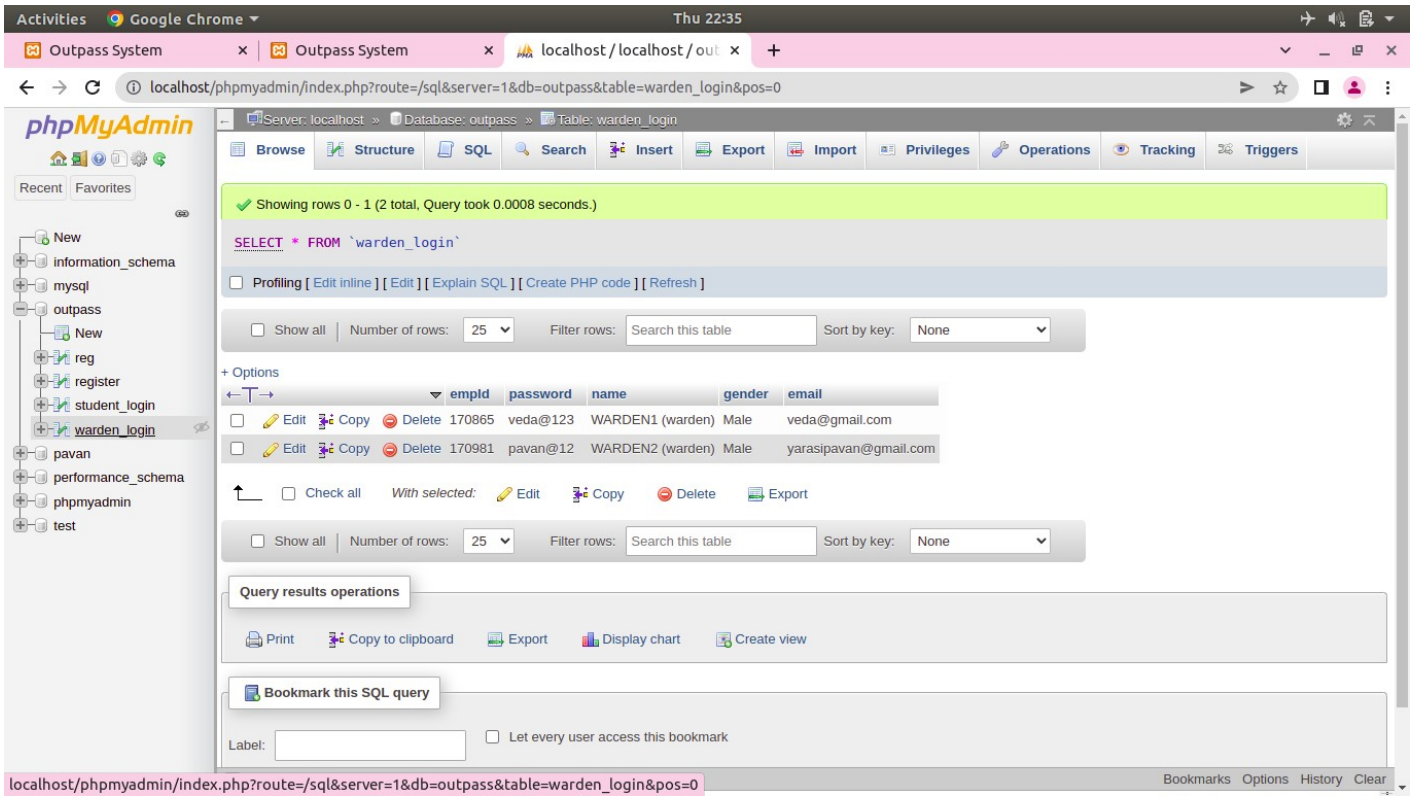
Edit Copy Delete r170981 Sunitha 8096090638 9618095243 2022-03-31 2022-03-30 aXAX 2022-03-09 22:52:05 15
Edit Copy Delete r170981 Sunitha 8096090638 9618095243 2022-03-31 2022-04-08 XCSCASD 2022-03-09 22:54:26 16
Console
Bookmarks Options History Clear


Activities
Google Chrome
Thu 22:34
Outpass System
Outpass System
localhost / localhost / out
localhost/phpmyadmin/index.php?route=/sql&server=1&db=outpass&table=student_login&pos=0
phpMyAdmin
Recent
Favorites
New
information_schema
mysql
outpass
New
reg
register
student_login
warden_login
pavan
performance_schema
phpmyadmin
test
Server: localhost » Database: outpass » Table: student_login
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 4 (5 total, Query took 0.0009 seconds.)
SELECT * FROM `student_login`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
+ Options
id password name gender email
Edit Copy Delete r170000 12345 xyz Male xyz@gmail.com
Edit Copy Delete r170242 1719109745 D Prudhvi Teja Male r170242@rguktrkv.ac.in
Edit Copy Delete r170829 vijaya@123 T Jyothsna Female r170829@rguktrkv.ac.in
Edit Copy Delete r170865 1719102983 S VEDA PRAKASH Male veda@gmail.com
Edit Copy Delete r170981 pavan@123 Y PAVAN KUMAR REDDY Male pavan@gmail.com
Check all
With selected:
Edit
Copy
Delete
Export
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
Query results operations
Print
Copy to clipboard
Export
Display chart
Create view
Console
Bookmarks Options History Clear


Activities
Google Chrome
Thu 22:35
Outpass System
Outpass System
localhost / localhost / out
localhost/phpmyadmin/index.php?route=/sql&server=1&db=outpass&table=warden_login&pos=0
phpMyAdmin
Recent
Favorites
New
information_schema
mysql
outpass
New
reg
register
student_login
warden_login
pavan
performance_schema
phpmyadmin
test
Server: localhost » Database: outpass » Table: warden_login
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Showing rows 0 - 1 (2 total, Query took 0.0008 seconds.)
SELECT * FROM `warden_login`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
+ Options
empId password name gender email
Edit Copy Delete 170865 veda@123 WARDEN1 (warden) Male veda@gmail.com
Edit Copy Delete 170981 pavan@12 WARDEN2 (warden) Male yarasipavan@gmail.com
Check all With selected: Edit Copy Delete Export
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
Query results operations
Print
Copy to clipboard
Export
Display chart
Create view
Bookmark this SQL query
Label:
Let every user access this bookmark
Bookmarks Options History Clear
localhost/phpmyadmin/index.php?route=/sql&server=1&db=outpass&table=warden_login&pos=0

CONCLUSION

This application thus ensures maximum security and removes all the manual work involved in hostel management activities and eases the monitoring student moments staying in hostel.

- It provides a friendly user interface .
- It gives appropriate access to the authorized users .
- It effectively overcomes the delay in communications.
- It provides easy maintainance of student data.

REFERENCES

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