Warana Vibhag Shikashan Mandal's
Tatyasaheb Kore Institute Of Engineering & Technology, Warananagar
Tal- Panhala Dist- Kolhapur 416 113

"Academic Project Management System"

- **Under the guidance of:-**

  Prof. K. N. Kamble

- **Submitted by:-**

Mr. Sanket Mali	**[48]**
Mr. Akash Amrolkar	**[33]**
Mr. Aditya Jadhavpatil	**[42]**
Mr. Shrihari Aundhakar	**[34]**

Contents

- Domain Introduction
- Introduction to Project
- System Study
- Information Gathering & Analysis
- Project Scope Statement & Analysis
- System Architecture
- System Design & Modelling
- References

Domain Introduction : Web Application

"A web application or web app is a client-server computer program which the client runs in the web browser."

- **1.1 Applications:-**
  i. Google Docs
  ii. Pixlr.com
  iii. Flipcart
  iv. Book My Show
  v. OLX

System Study

Existing System

- Existing system of system of project management is manual.
- Project coordinator or guide gives task for student manually.
- Project work done by students submitted to guide & coordinator manually.
- User cannot manage project development easily to achieve the main goal.

Drawbacks of Existing System

- It is time consuming.
- Right information is not retrieved at right time.
- Any updates to the data by team members or the Project coordinator or guide cannot see immediately by the rest of the team.
- All work is done manually.

Introduction

"Academic Project Management System"

Project management system is a system for managing, controlling, monitoring the academic projects of students.

It is a web based portal or application which is useful for students, project coordinator and project guide.

Problem Statement

"Develop a system for managing, controlling and monitoring the projects of students."

Relevant Objectives

- Reduces the extra time and efforts required to manage and monitor projects.
- Helpful to control, manage and monitor the project.
- Provides a good interface which is easy to understand.
- Reduction in manual work.
- Up-to-date status reporting, ease of use, backup.

Proposed System

- In this proposed system we can implement a system which manage project related all work done by students and given by project coordinator or guide.
- Coordinator updates project related information, view work done by a student at which time.
- Student retrieved the given work information updates and complete this work at given time and submits into the project management system

Information Gathering & Analysis

- **Student :-**
  i. Detailed information of student
  ii. Group Formation
  iii. Upload and view files
  iv. Get the status of the project
- **Project Guide :-**
  i. Detailed information of guide
  ii. Allocated group details
  iii. Upload and view files
  iv. Upload the status of project
- **Project Coordinator :-**
  i. Detailed information of coordinator
  ii. Guide allocation
  iii. Upload and view files
  iv. Upload the status of project
- **Head Of Department :-**
  i. Detailed information of HOD
  ii. Upload and view file
  iii. Upload the status of the project

Modules

- **User Validation:-**
  i. Registration
  ii. Validation
  iii. Role Of logger
- **Group Creation:-**
  i. Student Registration
  ii. Group Formation
- **Guide Allocation:-**
  i. Group Validation & assigning group id
  ii. Guide Assignment
- **Project Record :-**
  i. Upload Files
  ii. View File
  iii. Download File
  iv. Delete File
  v. Correct Comment
  vi. View Previous Record

Requirement Analysis

Requirements

- Students & Guide, Coordinator or HOD should be able to communicate.
- Should reduces the manual work.
- Registration of students, guide, coordinator & HOD should be done with detailed contents.
- Should be able to upload and view the files.
- Should maintain all the data.
- Should record all the project related information.

Feasibility Study

- **Economical :-**

  All the resources used for developing this application are open source & hence no cost is needed for the resources.

- **Time :-**

  This application reduces the manual work.

Software Requirement Analysis and Specification

Functional Requirements

- Registration
- Group Formation
- Guide Allocation
- Project Status
- Information Retrieval

Non-Functional Requirements

- Usability
- Scalability
- Reliability
- Availability

Software Requirement Analysis and Specification

Software Requirements

- **Operating System :-** Windows XP & above
- **Front End :-** HTML5 & CSS
- **Back End :-** PHP
- **Database :-** MySQL
- **Server :-** Xampp

Hardware Requirements (Development)

- **Storage :-** Minimum 1 GB
- **RAM :-** Minimum 512 mb

Project Scope Statement & Analysis

- ✓ System will accept the project group wise data. Project coordinator can assign guide to each project group. Project guide and coordinator both can give suggestions to group. Students can upload there work on this application.

Project Boundaries

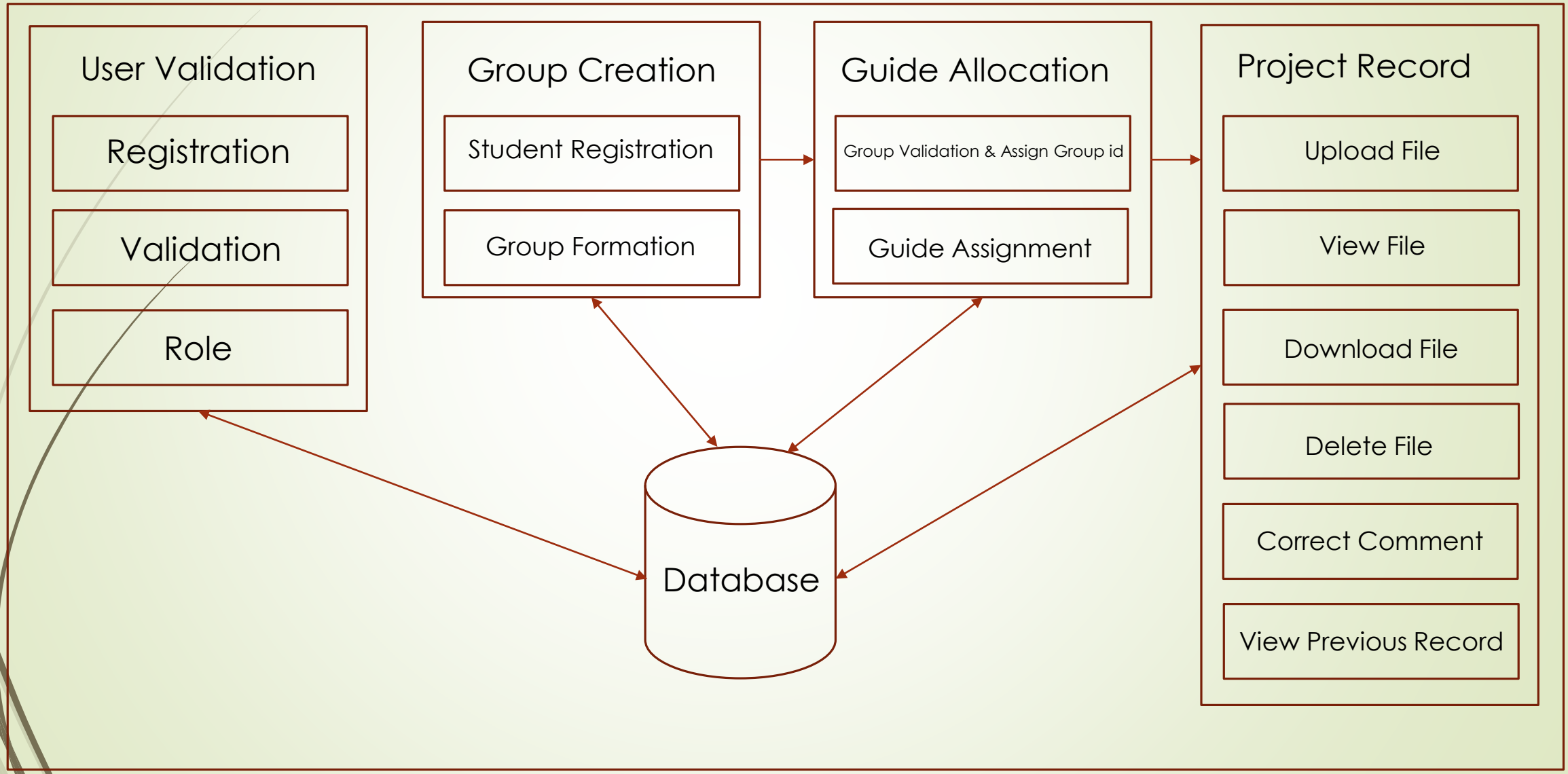
- The current system is developed for single department of college i.e. “Department Of Computer Science And Technology, TKIET, Warananagar”.

Project Charter

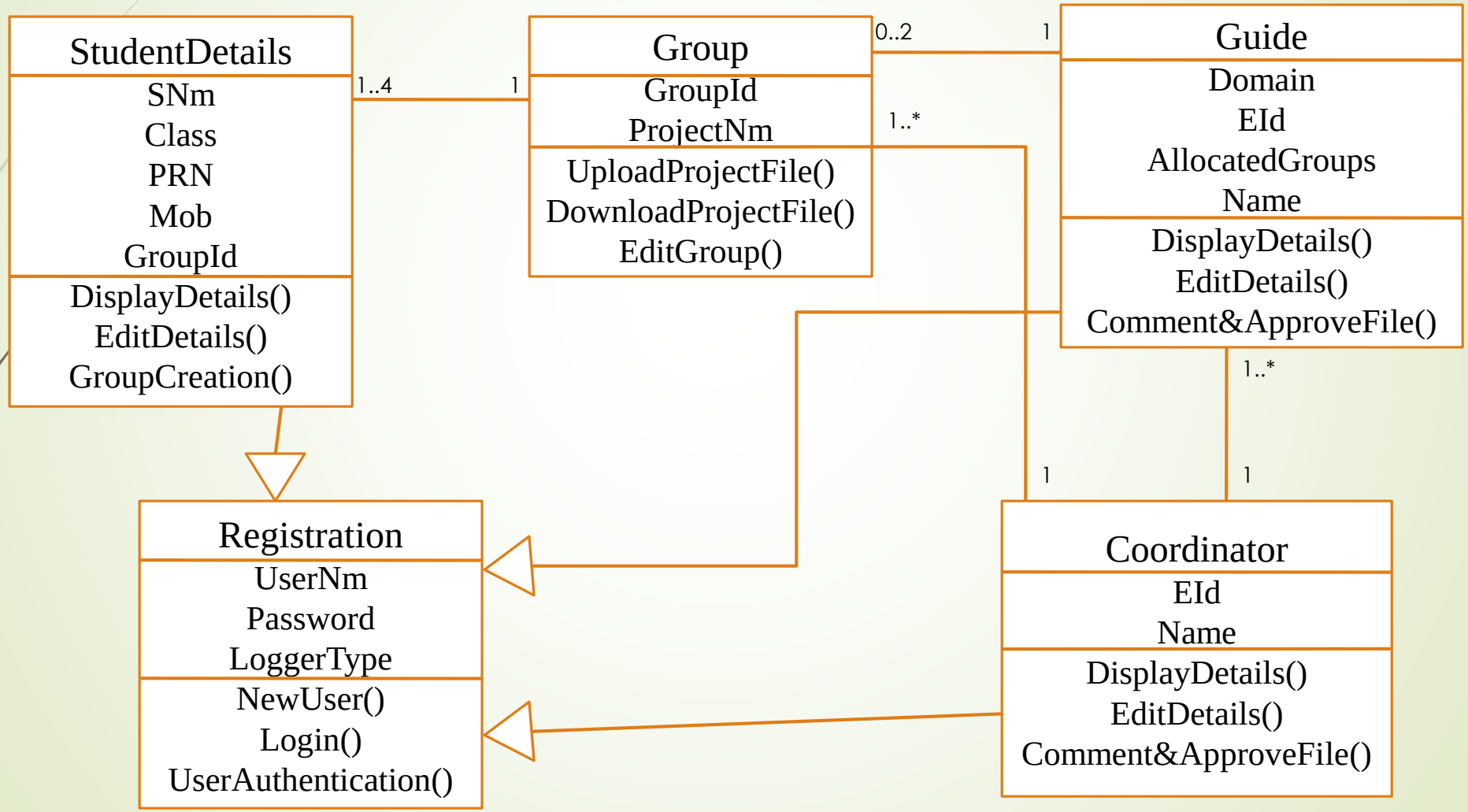
- **Project Title :-** Academic Project Management System
- **Project Start Date :-** December 2018
- **Project End Date :-** March 2019
- **Project Guide :-** Prof. K.N.Kamble
- **Project Objectives** :-
  - Helpful to control, manage and monitor the project.
  - Reduction in manual work.

Name	Role	Contact Information
Prof. K. N. Kamble	Project Guide	
Mr. Sanket Mali	Project Member	malisanket538@gmail.com
Mr. Akash Amrolkar	Project Member	akashamrolkar6@gmail.com
Mr. Aditya Jadhavpatil	Project Member	adityajadhavpatil1299@gmail.com
Mr. Shrihari Aundhakar	Project Member	shriaundhakar@gmail.com

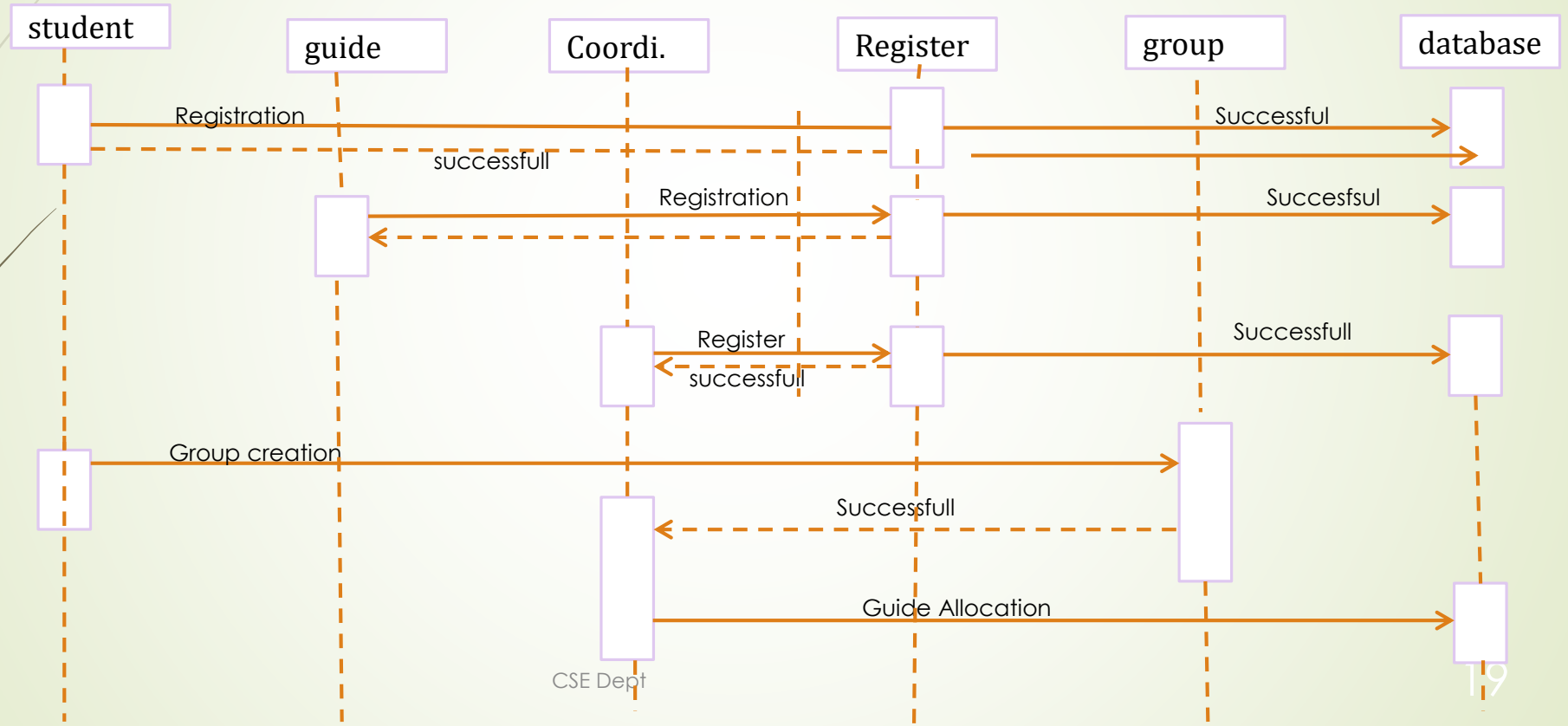
System Architecture



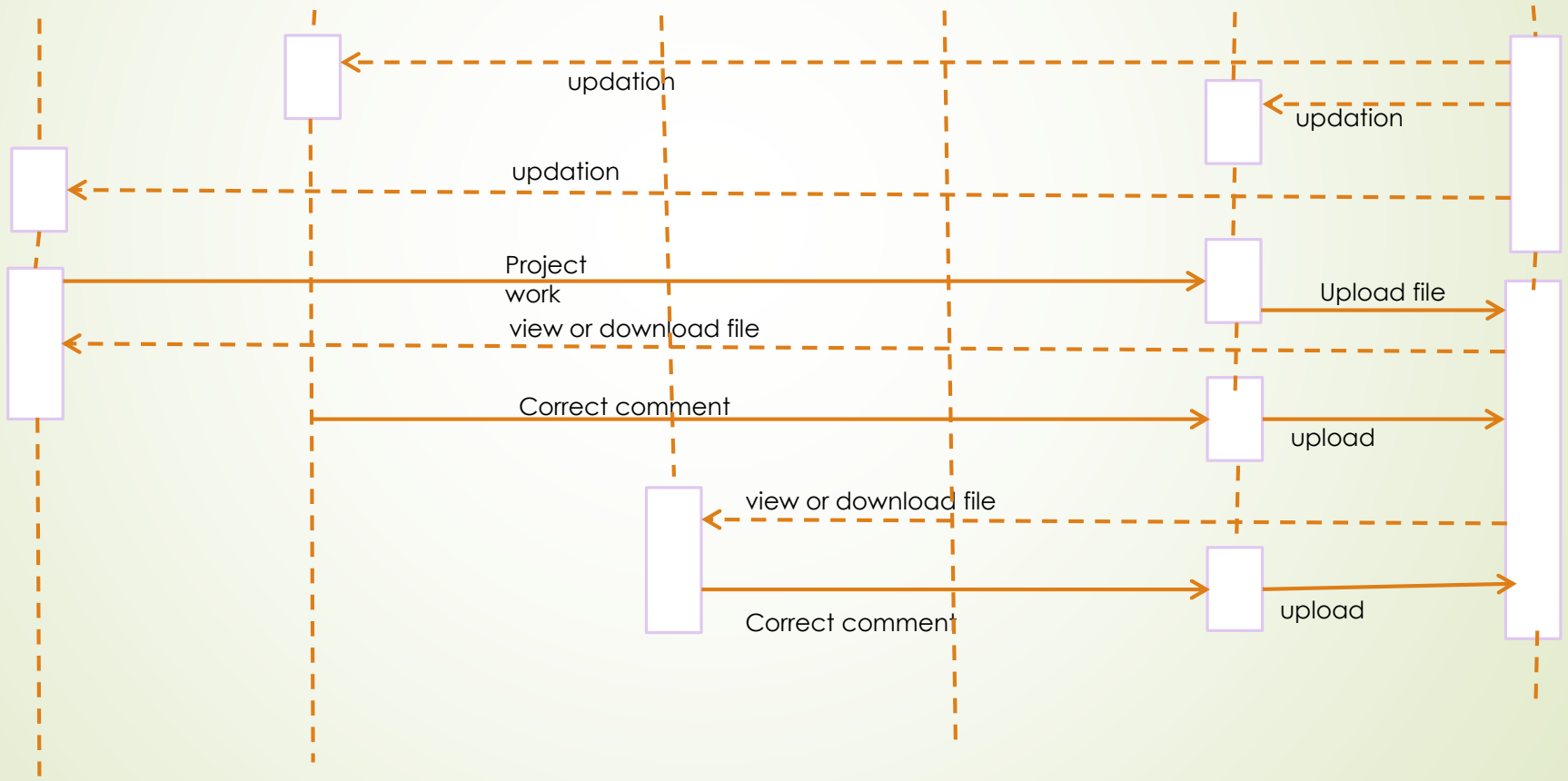
Class Diagram



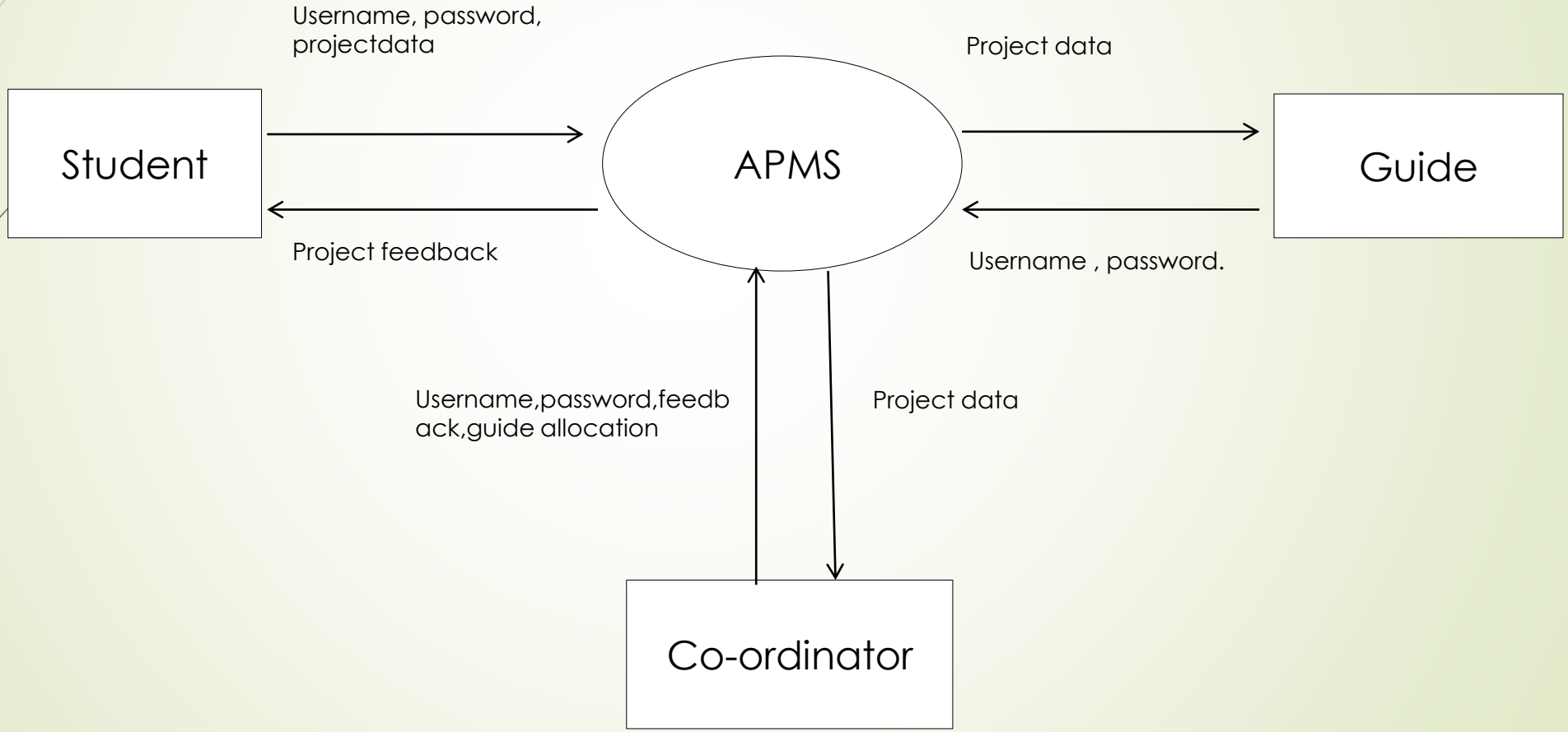
Sequence Diagram



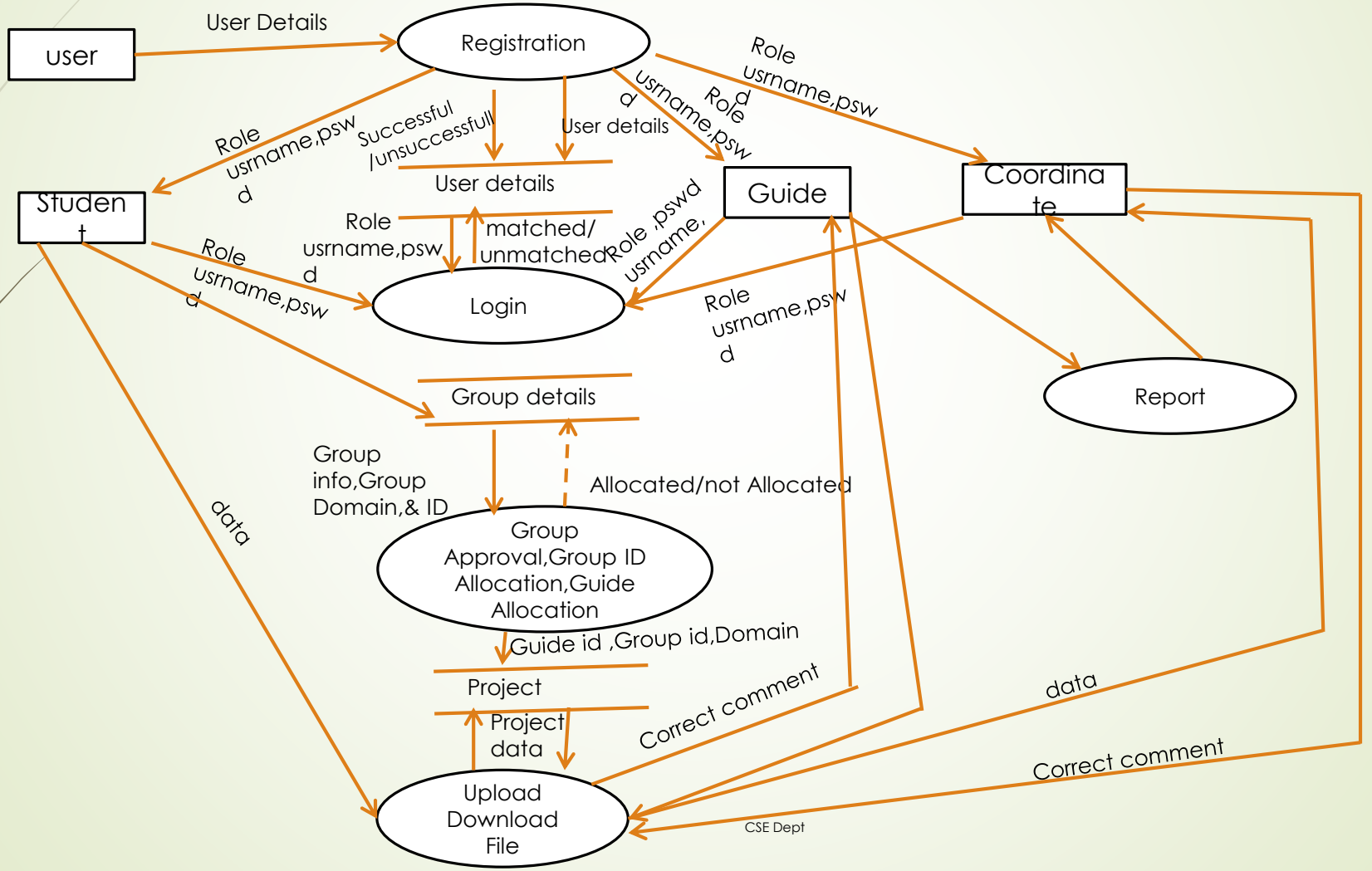
Sequence Diagram(CONT.)



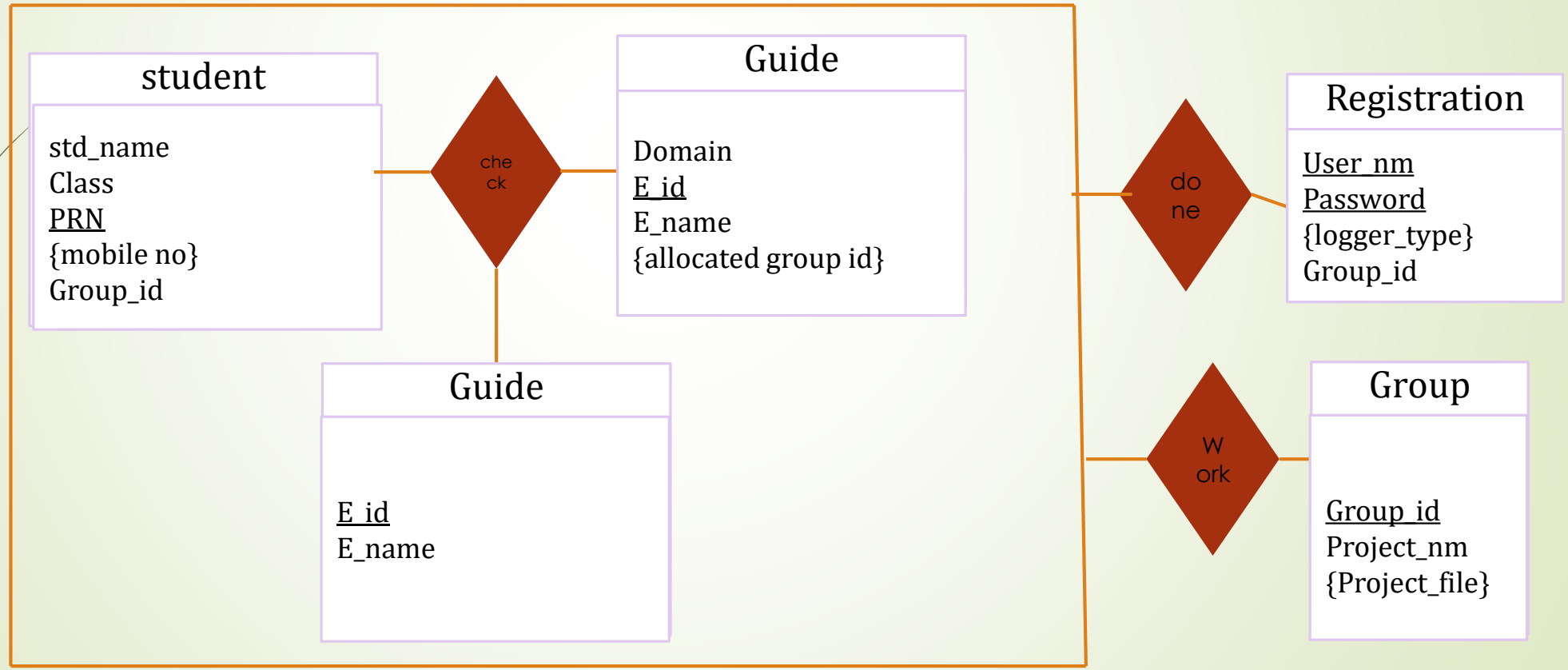
DFD Level 0


Username, password, projectdata
Project data
Student
APMS
Guide
Project feedback
Username , password.
Username,password,feedback,guide allocation
Project data
Co-ordinator

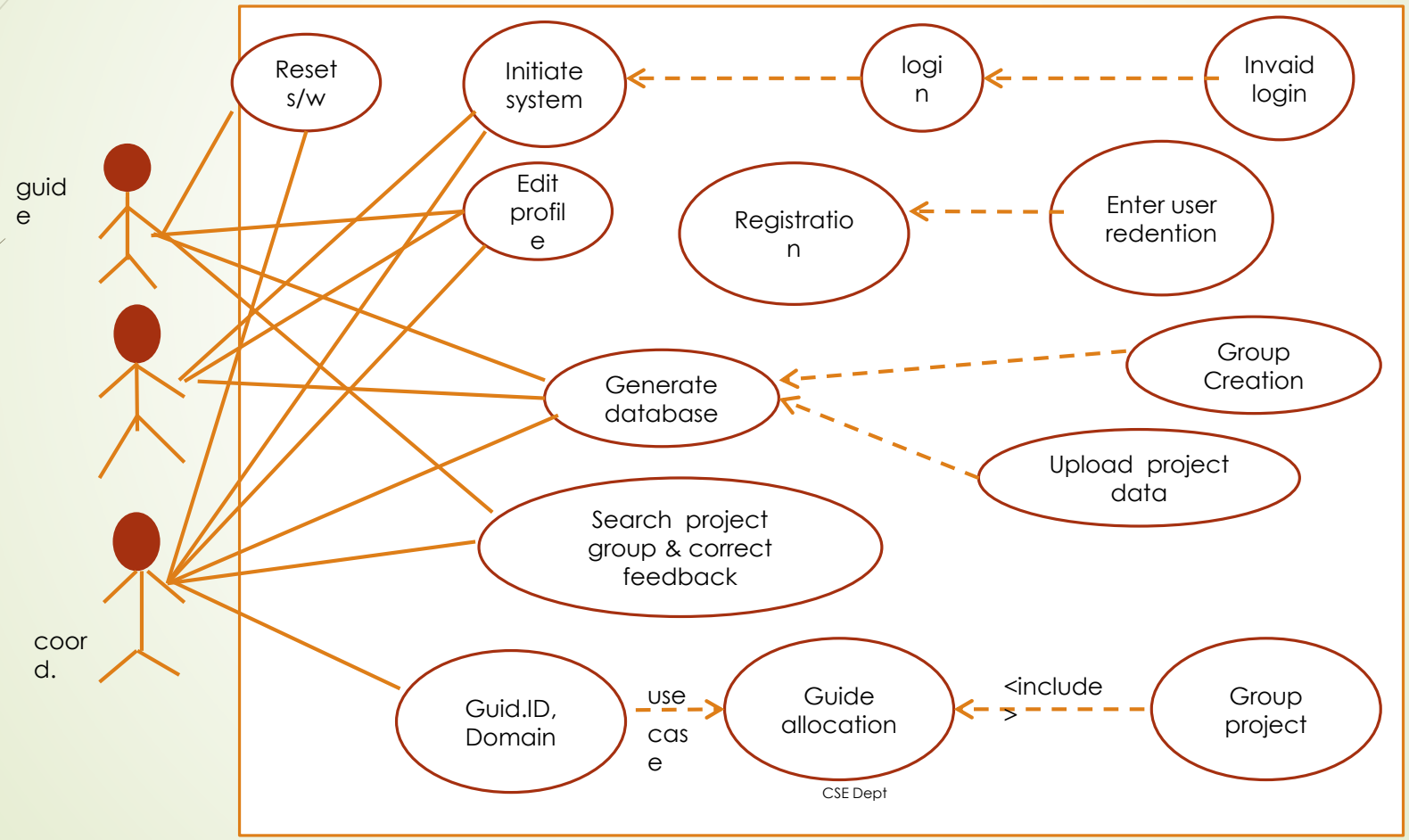
DFD Level 1


user
User Details
Registration
Role
usrname,psw
d
Role
usrname,psw
d
Role
usrname,psw
d
Successful
/unsuccessfull
User details
User details
Student
Role
usrname,psw
d
Role
usrname,psw
d
matched/
unmatched
Role ,pswd
usrname,
Guide
Coordinate
Login
Role
usrname,psw
d
Report
Group details
Group
info,Group
Domain,& ID
Allocated/not Allocated
data
Group
Approval,Group ID
Allocation,Guide
Allocation
Guide id ,Group id,Domain
Project
Project
data
Correct comment
data
Correct comment
Upload
Download
File

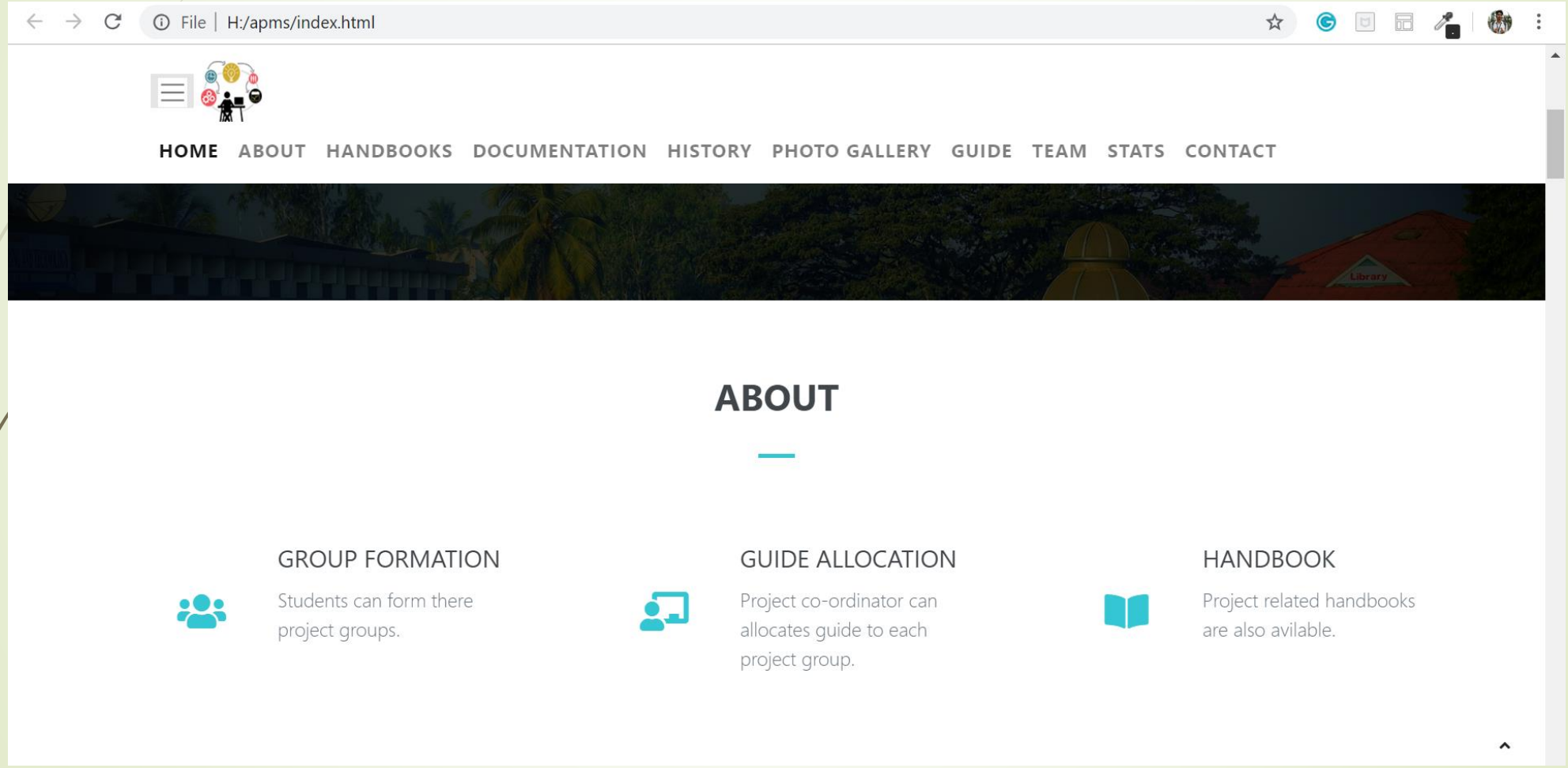
ER Diagram


student
std_name
Class
PRN
{mobile no}
Group_id
che
ck
Guide
Domain
E_id
E_name
{allocated group id}
Guide
E_id
E_name
do
ne
Registration
User_nm
Password
{logger_type}
Group_id
W
ork
Group
Group_id
Project_nm
{Project_file}

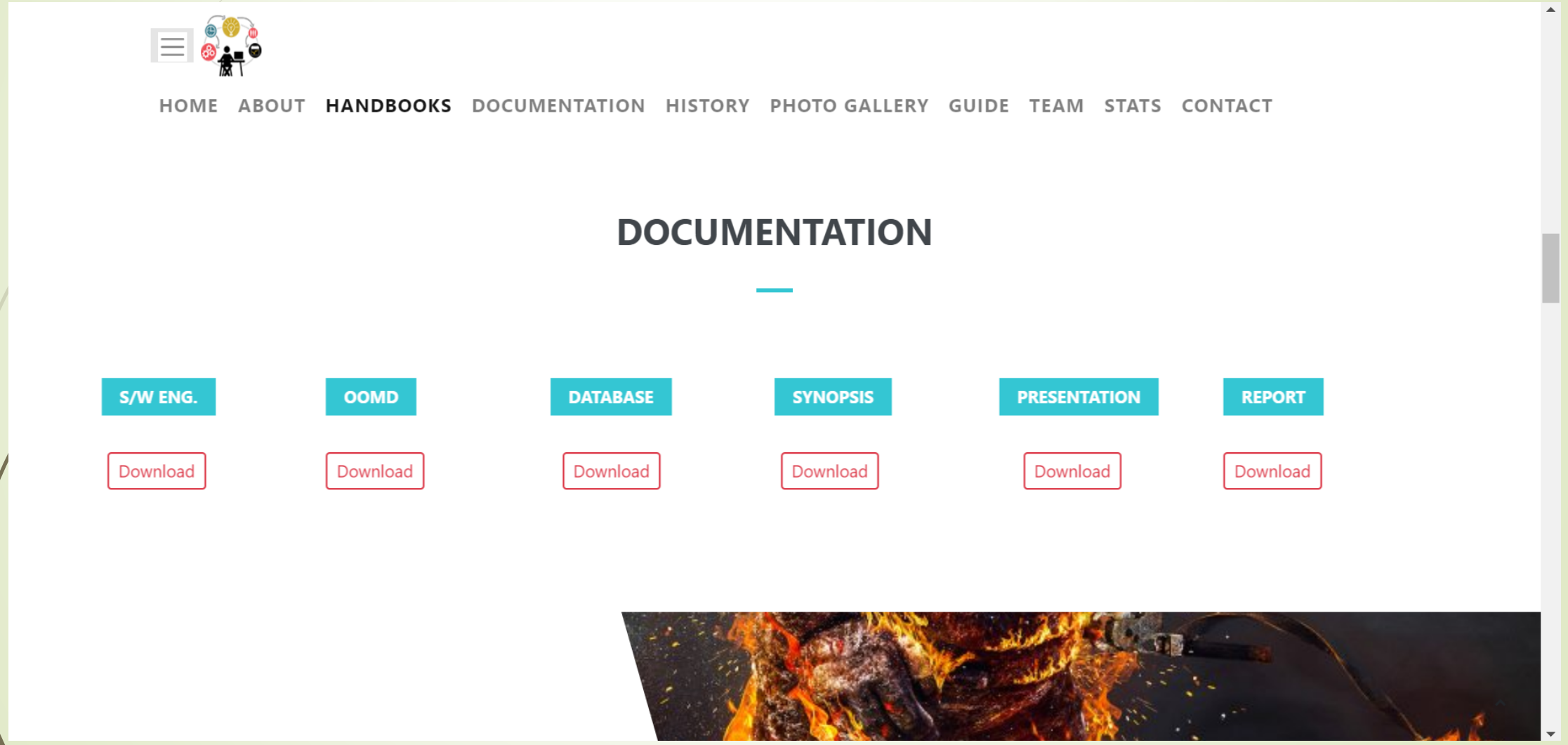
Use Case Diagram



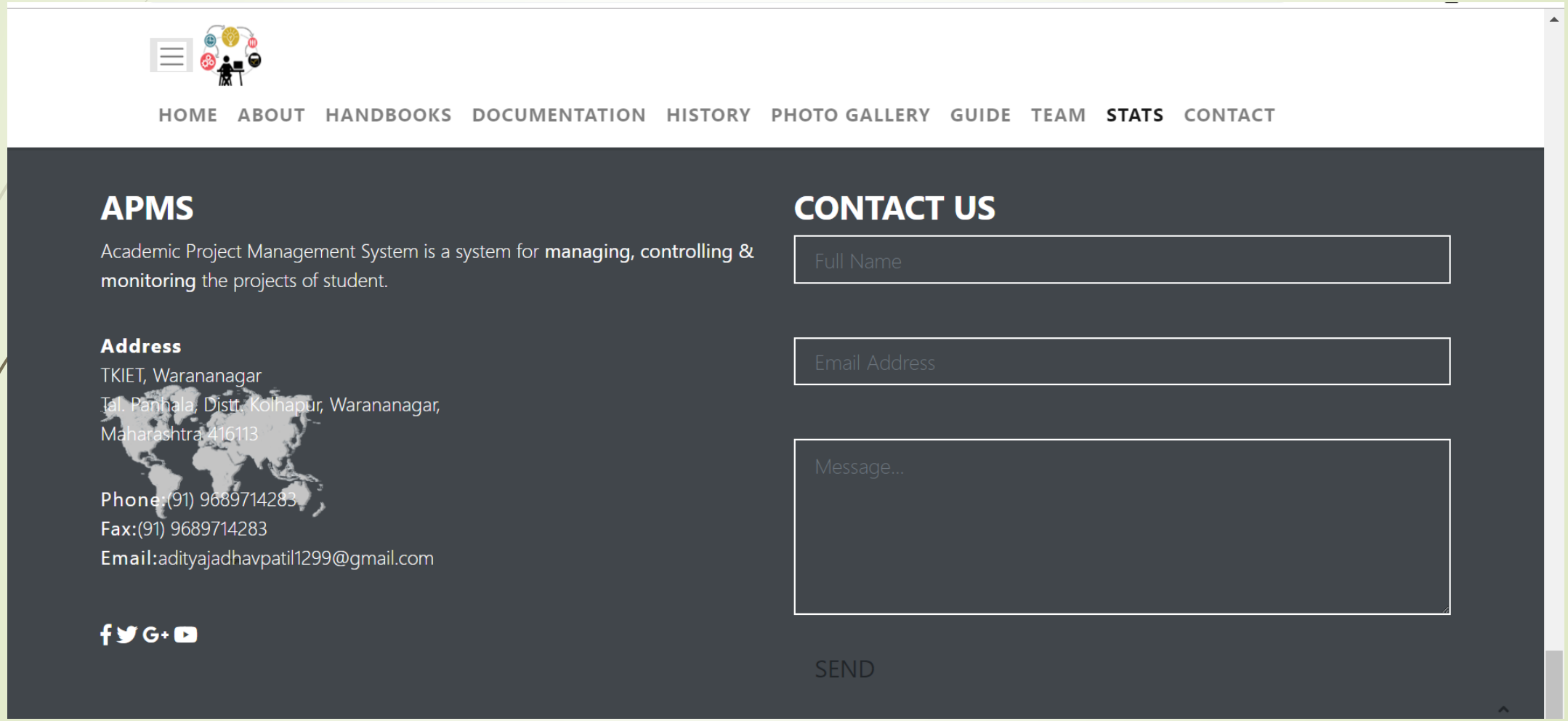
Screenshots



Screenshots



Screenshots



References

- Discussion with Project Coordinator Prof. N.G. Ghatage.
- **Website :-**
  - https://www.geeksforgeeks.org/html-tutorials/
  - https://www.youtube.com/watch?v=YQbG26UMoww&list=PL8m4YIIYgvCx8NQiDlu-iVLGf_WsDRccW
  - https://www.geeksforgeeks.org/css-tutorials/

- **Books:-**

  Software Engineering by Pankaj Jalote.

THANK YOU