

# Database and Web Lab

## Project Synopsis

### Group-2

Arpit Jain (20103041)

Nishttha Saharkar (20103035)

Simran Ahuja (20103049)

Yathansh Tewatia (20103058)

# Project Title

MiniKiosk (A Webkiosk Clone)

## Description

MiniKiosk is a webkiosk clone, which aims to achieve functionality similar to our college's <https://webkiosk.jiit.ac.in>. MiniKiosk can be used both by teachers and students to track and keep record of a student's courses, subjects, faculty, attendance, disciplinary violations, marks and CGPA.

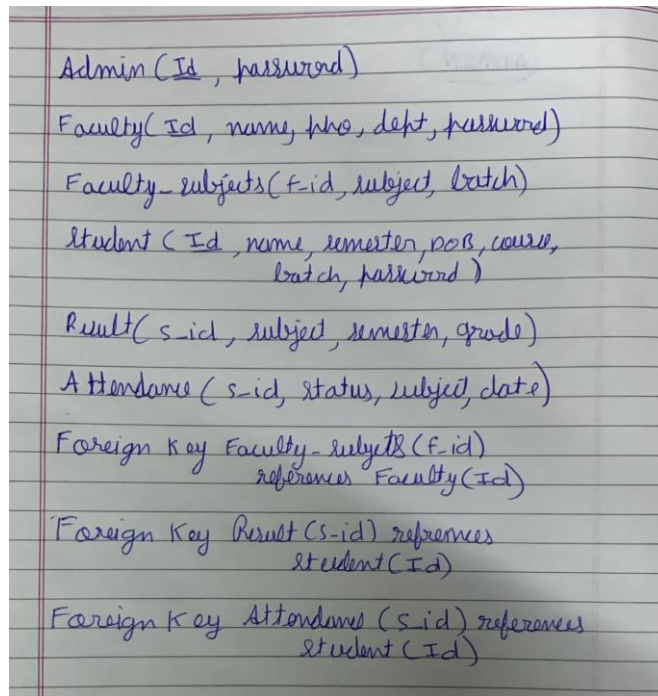
## Database Introduction

Database for MiniKiosk consists of 5 main tables. One each for Admin, Student, Faculty, Faculty Subjects, Attendance, Result and their attributes are listed below in the E-R Diagram and its mapping.

## Entity Relationship Diagram



# Mapping



## Tech Stack Used

MiniKiosk is a full stack project. It is a website for which the technologies used are as follows

:

- **Frontend**
  - HTML
  - CSS
  - JavaScript
- **Backend**
  - PHP
- **Database**
  - MySQL (through phpMyAdmin)

The server is locally run using XAMPP (Apache HTTP Server)

Note - All of the code has been written from scratch without using any templates or frameworks.

# Application

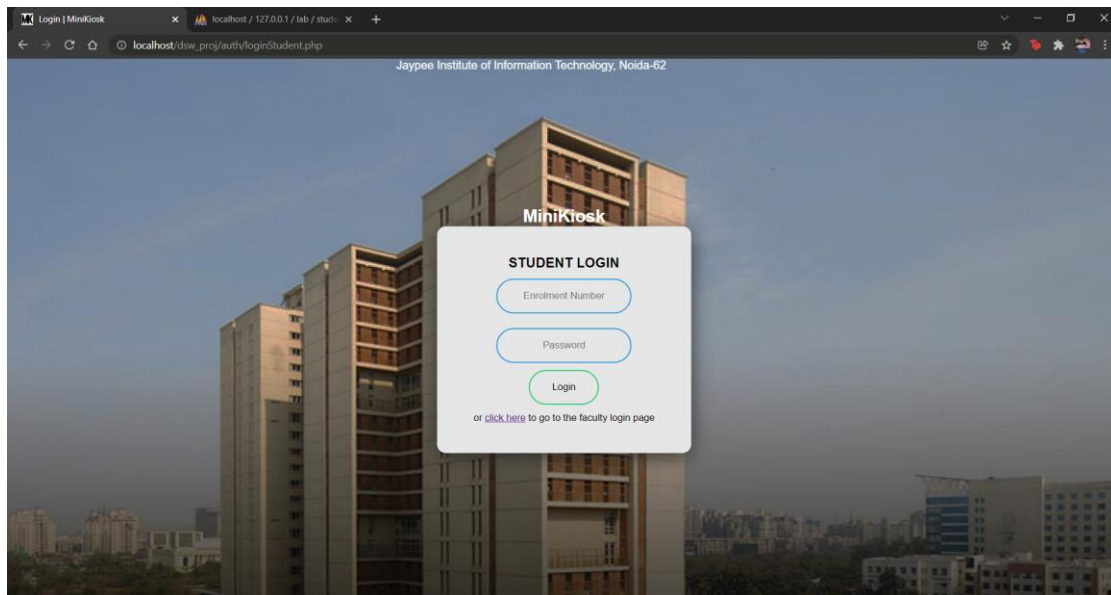
Being a Webkiosk clone, MiniKiosk is endowed with the following features :

- Login/Signup system
  - Session management
- Students
  - Profile
  - Attendance
  - Result
- Teacher
  - Profile
  - Attendance input
  - Grades input
- Admin Dashboard
- Database alteration from Admin Dashboard
  - Add Student/Teacher on MiniKiosk itself
  - View Student/Teacher tables on MiniKiosk itself
  - Edit pre-existing Student/Teacher tables on MiniKiosk itself

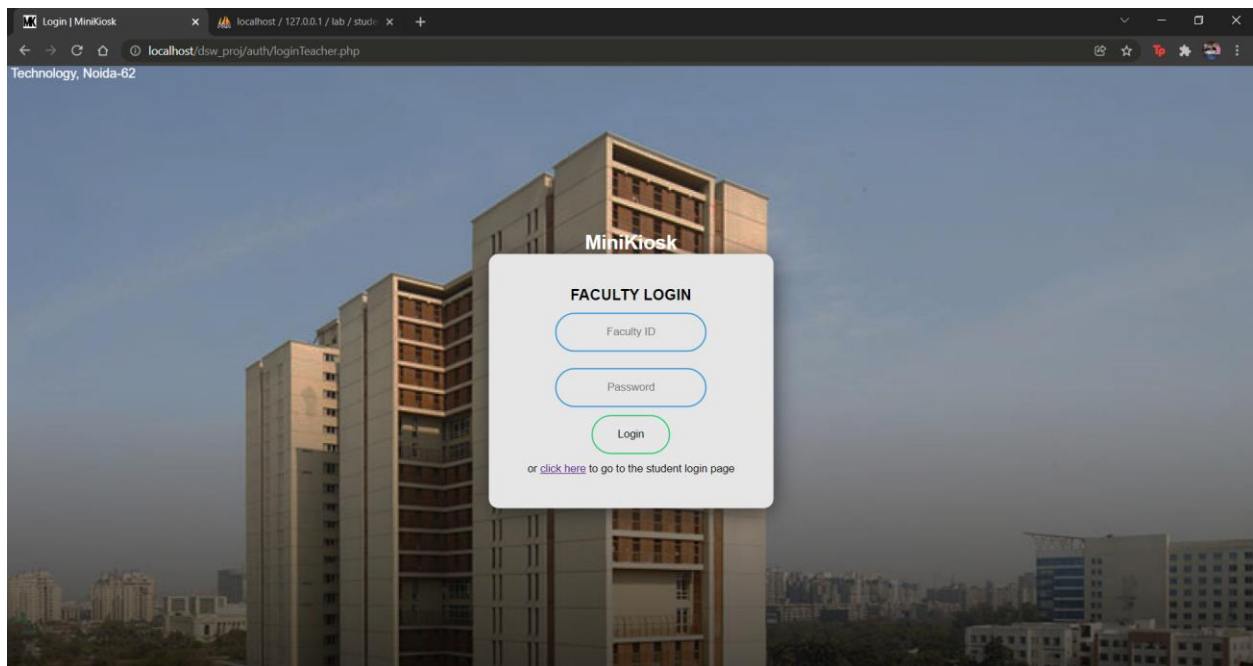
-----Screenshots attached on next page-----

# Screenshots

## Student Login Page



## Faculty Login Page



## Student Profile Page

MiniKiosk Student Dashboard

PROFILE

Profile Attendance Result Logout

Status: Logged in

name	naman
dob	2002-08-11
semester	3
batch	B1
course	CSE

## Student Attendance Page

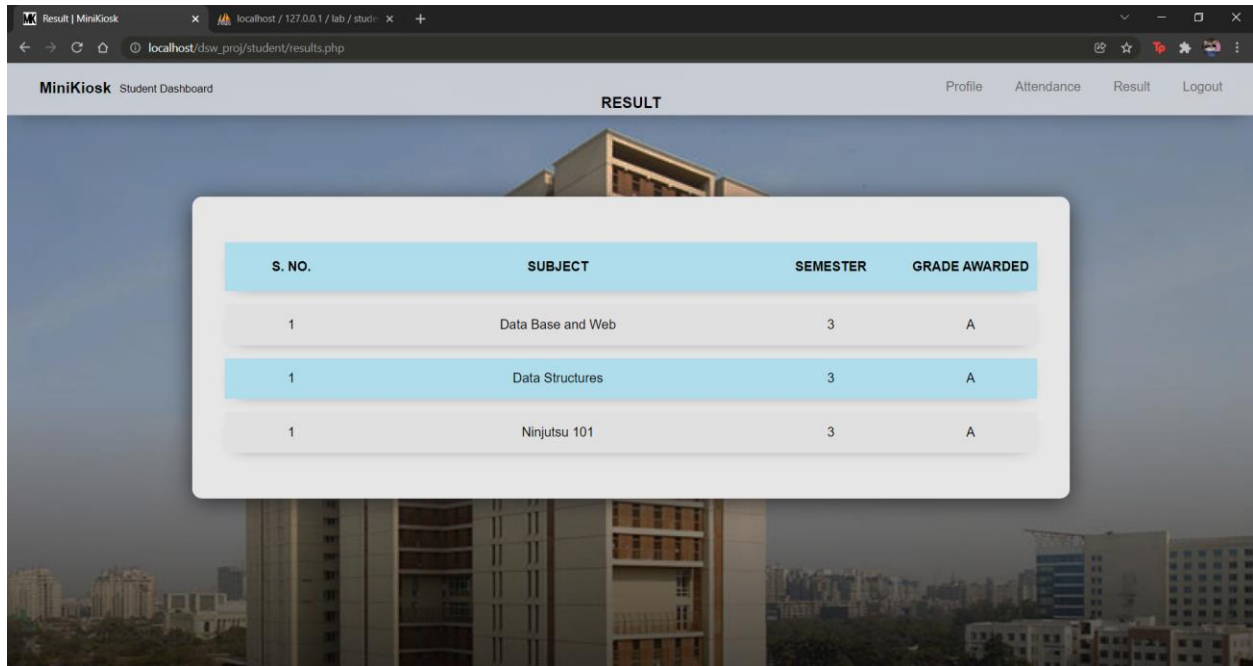
MiniKiosk Student Dashboard

ATTENDANCE

Profile Attendance Result Logout

S. NO.	SUBJECT	ATTENDANCE %
1.	Data Structures	100
2.	Data Base and Web	66.67
3.	DBW LAB	60
4.	Ninjutsu 101	100

## Student Result Page



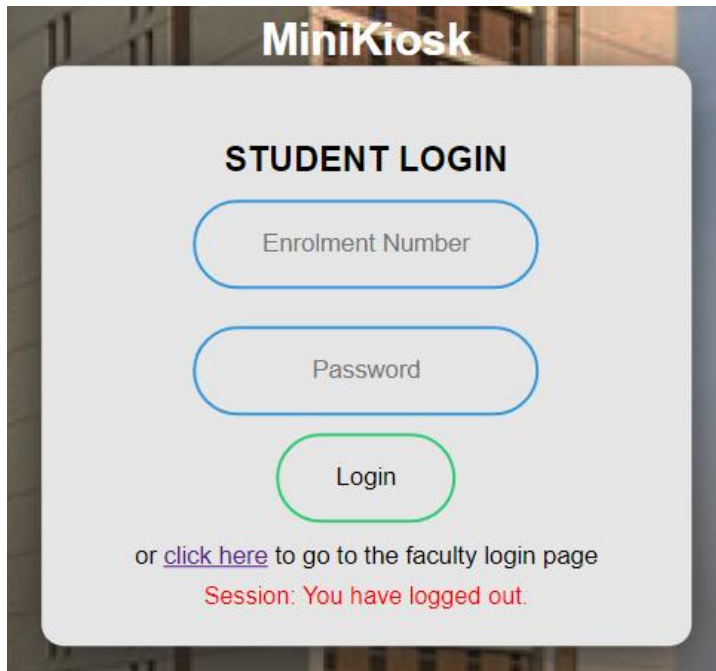
MiniKiosk Student Dashboard

RESULT

Profile Attendance Result Logout

S. NO.	SUBJECT	SEMESTER	GRADE AWARDED
1	Data Base and Web	3	A
1	Data Structures	3	A
1	Ninjutsu 101	3	A

## Logout Message



MiniKiosk

**STUDENT LOGIN**

Enrolment Number

Password

Login

or [click here](#) to go to the faculty login page

Session: You have logged out.

## Faculty Input Attendance Page

Faculty Dashboard | MiniKiosk

localhost / 127.0.0.1 / mb / studi

localhost/dsw\_proj/teacher/attendance.php

MiniKiosk Faculty Dashboard

Profile Attendance Grades Logout

**ATTENDANCE**

Date: 11-12-2021

ENROLL	Name	Present	Absent
5	sarthak	<input type="radio"/>	<input type="radio"/>
6	naman	<input type="radio"/>	<input type="radio"/>
7	sasuke uchiha	<input type="radio"/>	<input type="radio"/>
8	naruto	<input type="radio"/>	<input type="radio"/>

[Select a different batch](#)

Save Attendance

## Faculty Input Grades Page

Faculty Dashboard | MiniKiosk

localhost / 127.0.0.1 / mb / studi

localhost/dsw\_proj/teacher/grades.php

MiniKiosk Faculty Dashboard

Profile Attendance Grades Logout

**Batch: B1**  
**Subject: Data Structures**

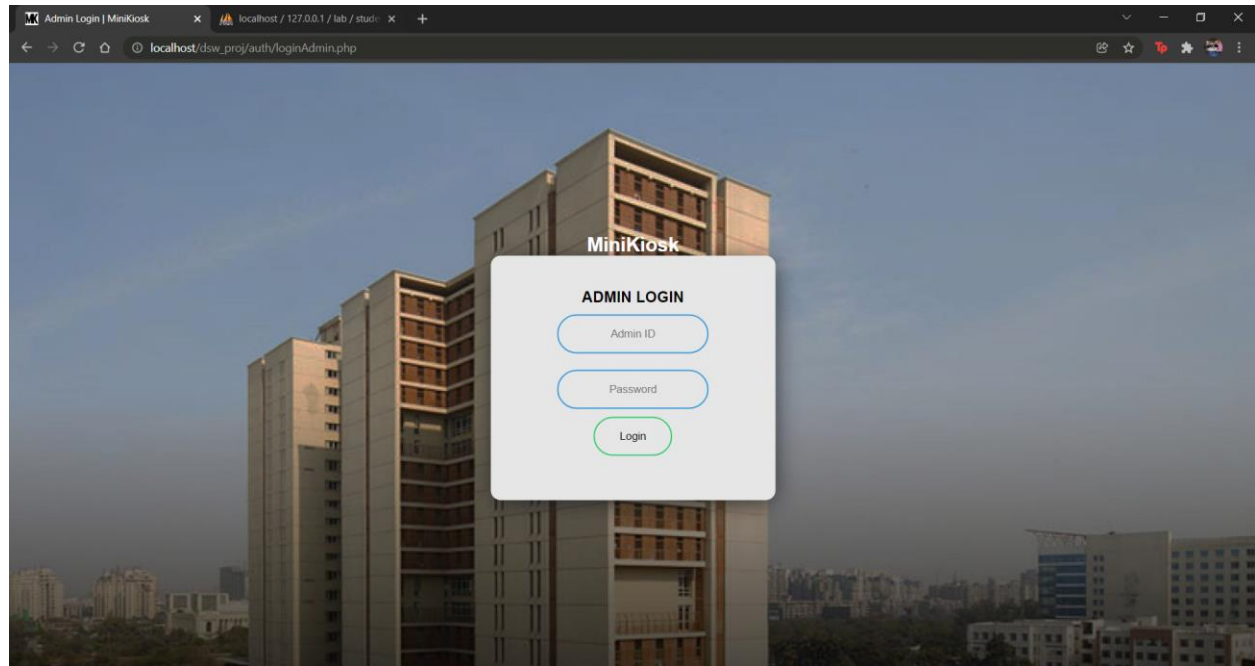
ID	Name	A	B	C	D	F
5	sarthak	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	naman	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	sasuke uchiha	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	naruto	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[Select a different batch](#)

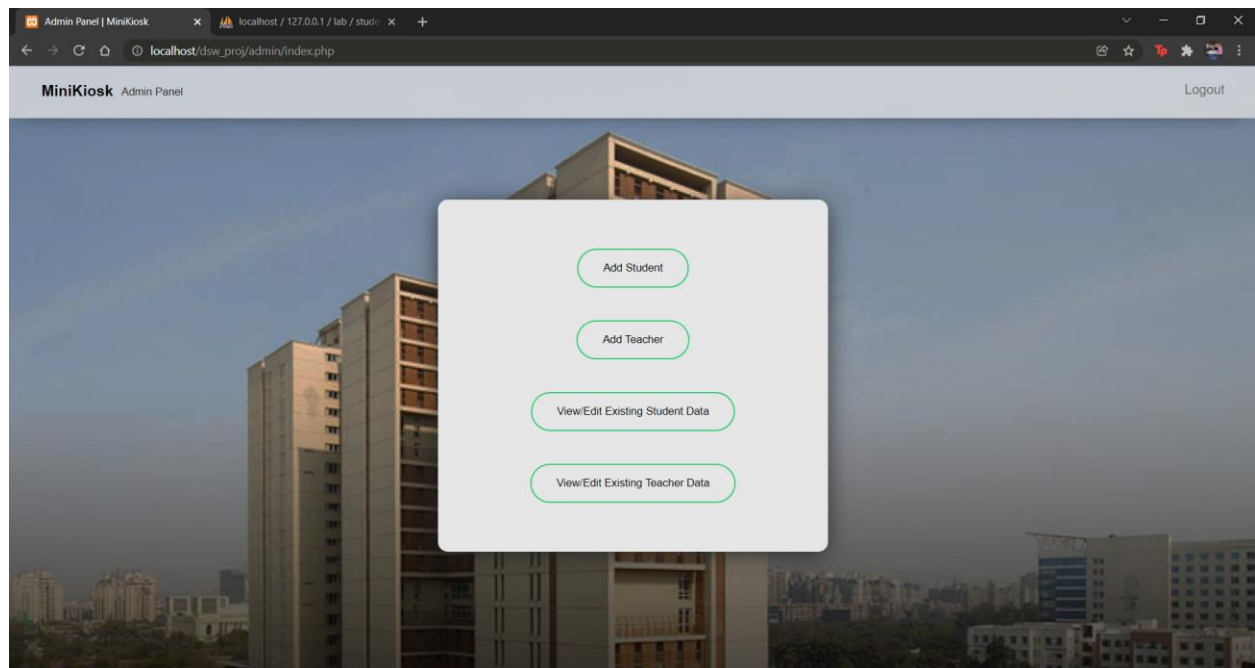
Save



## Admin Login Page



## Admin Panel



## Add Student Form

The screenshot shows the 'Add Student' form in the MiniKiosk Admin Panel. The form is a light gray modal box centered over a background image of a modern building. It contains the following fields:

- ID:
- Name:
- DOB:
- Semester:
- Batch:
- Course:

The browser's address bar shows the URL: `localhost/dsw_proj/admin/add_student.php?`

## Student Database from Admin Panel

The screenshot shows the 'Student Data' table in the MiniKiosk Admin Panel. The table is a light gray modal box centered over a background image of a modern building. It contains the following data:

ID	NAME	DOB	SEMESTER	BATCH	COURSE	EDIT DETAILS
1	yathansh	2002-08-18	3	B2	CSE	<a href="#">Edit</a>
2	arpit	2001-05-01	3	B2	CSE	<a href="#">Edit</a>
3	nishttha	2001-01-04	3	B2	CSE	<a href="#">Edit</a>
4	simran	2002-07-10	3	B2	CSE	<a href="#">Edit</a>

The browser's address bar shows the URL: `localhost/dsw_proj/admin/list_students.php?`

## Add Teacher

The screenshot shows a web browser window with the address bar displaying 'localhost/dsw\_proj/admin/add\_teacher.php?'. The page title is 'Add Teacher | MiniKiosk'. The main content area features a modal form titled 'ADD TEACHER' with the following fields: ID, Name, Phone No., Set Password, and Department. Each field has a corresponding input box. A 'Save' button is located at the bottom of the form. The background of the page shows a cityscape image.

MiniKiosk Admin Panel Logout

**ADD TEACHER**

ID

Name

Phone No.

Set Password

Department

Save

## Teacher Database from Admin Panel

The screenshot shows a web browser window with the address bar displaying 'localhost/dsw\_proj/admin/list\_teachers.php?'. The page title is 'Teacher Data | MiniKiosk'. The main content area features a modal table titled 'Teacher Data' with the following columns: ID, NAME, PHONE NO., DEPT, and EDIT. The table contains three rows of data. The second row is highlighted in blue. The background of the page shows a cityscape image.

MiniKiosk Admin Panel Logout

ID	NAME	PHONE NO.	DEPT	EDIT
1	kakashi	12345123	Ninjutsu	Edit
2	Einstein	123456	CSE	Edit
3	Linus Torvalds	123456	Data Bases	Edit

## Distribution of work

1. Arpit Jain (20103041)
  - Login pages for Student, Faculty and Admin and Faculty pages
  - JavaScript validation for forms (login, database manipulation)
2. Nishttha Saharkar (20103035)
  - Admin Panel after login
  - Database manipulation pages in Admin dashboard
3. Simran Ahuja (20103049)
  - Student profile, student attendance, student result pages
  - Background image CSS-ing to fix it in one place and scale size
4. Yathansh Tewatia (20103058)
  - Dynamic data handling from database using PHP and MySQL
  - Session management and form submissions using PHP

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The project was collaborated by sharing code on WhatsApp and on GitHub - [https://github.com/yattew/dsw\\_proj](https://github.com/yattew/dsw_proj)

The project can be locally hosted by downloading code from GitHub, importing lab.sql into phpMyAdmin in a database named 'lab'.

