D-Lab Project

# User Manual

**1.0 Background**

The Goal is to measure the impact of Sheikh Russel Digital labs (SRDL) in schools on

academic learning and reducing learning loss.

For the SRDL lab utilization record, we need an automated process to record when and

who uses the lab through windows user Log-in process.

The SRDL labs are not online-based, and we need to design something that can be

installed in these labs with offline features.

The system needs to capture the log record of SRDL lab use, which the field DRAs would

be able to extract upon lab visits.

There will be 510+ labs, each containing 15-20 functional PCs with no internet connection

or card reader, or biometric scanners, unfortunately.

**Technical Scope**

a) Developing a Software that will record Login and Logout Date and Time on

Windows PC. Operating system will be limited to XP, Windows 10 and Windows

11.

b) Data for computer usage and video viewership will be collected separately.

c) Data should be collected from each computer of all schools participating in the

study and must include:

- School Name (S/N)

- School EIIN

- Lab ID (There might be more than 1 lab in a school)

- PC ID

- Date of use (dd/mm/yyyy)

- Start Time

- End Time

- Duration

-User

d) Video viewership data will have the following columns:

- School Name (S/N)

- School EIN

- Lab ID

- PC ID

- Date

- Video File Name

- File Location

- Start Time

- End Time

- Duration

- User

e) It will log the run time details of Videos stored in the PC.

f) No other software needs to be monitored.

g) The log report will be stored as Excel or CSV file which the DRA team will collect

off-line / physically save. The data will be saved locally.

h) For the labs which have internet connection available, the data will be captured and

synced to Cloud Server.

i) There will be admin access to login to the dashboard and check School data

remotely.

j) For schools without internet connection, data will be collected by DRAs via lab

visitation. These excel files will be uploaded to the dashboard enabling the research

team to download them.

k) For schools with internet connection, lab usage data will be collected directly from

the dashboard.

**System Requirement**

1. Windows
2. RAM 2 GB
3. Storage 15GB
4. Node Js Environment

**Feature list:**

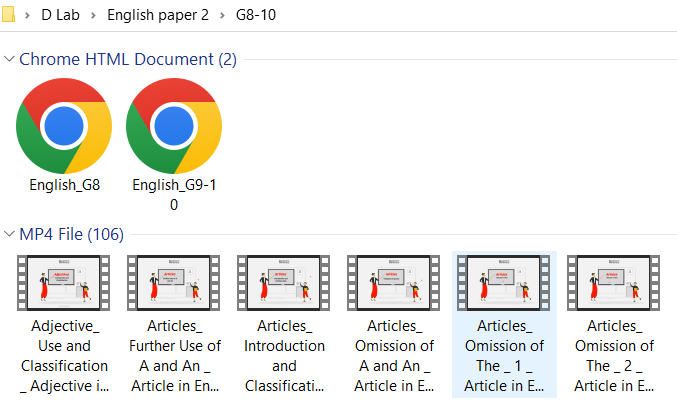
**Install requirement**

1. **Pendrive**
2. **Insert Pendrive in the Desktop Computer**

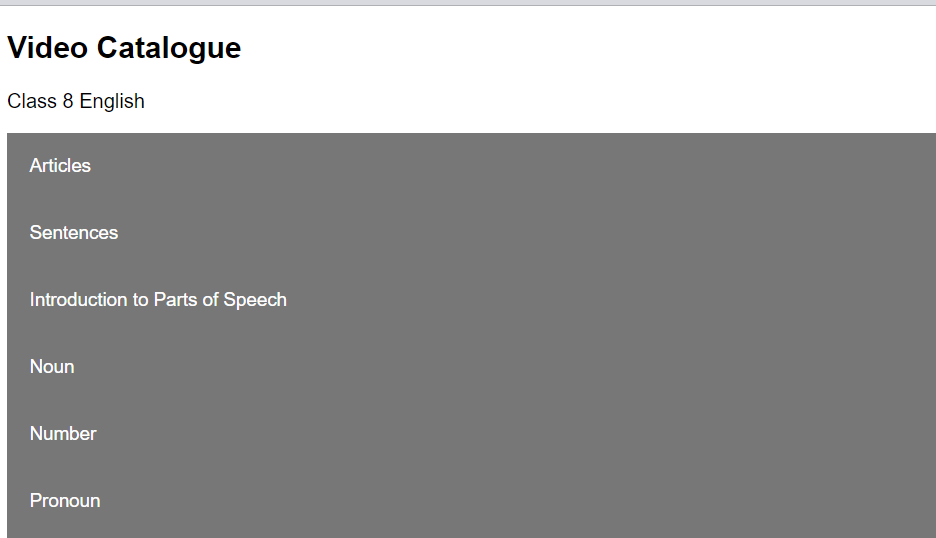
****

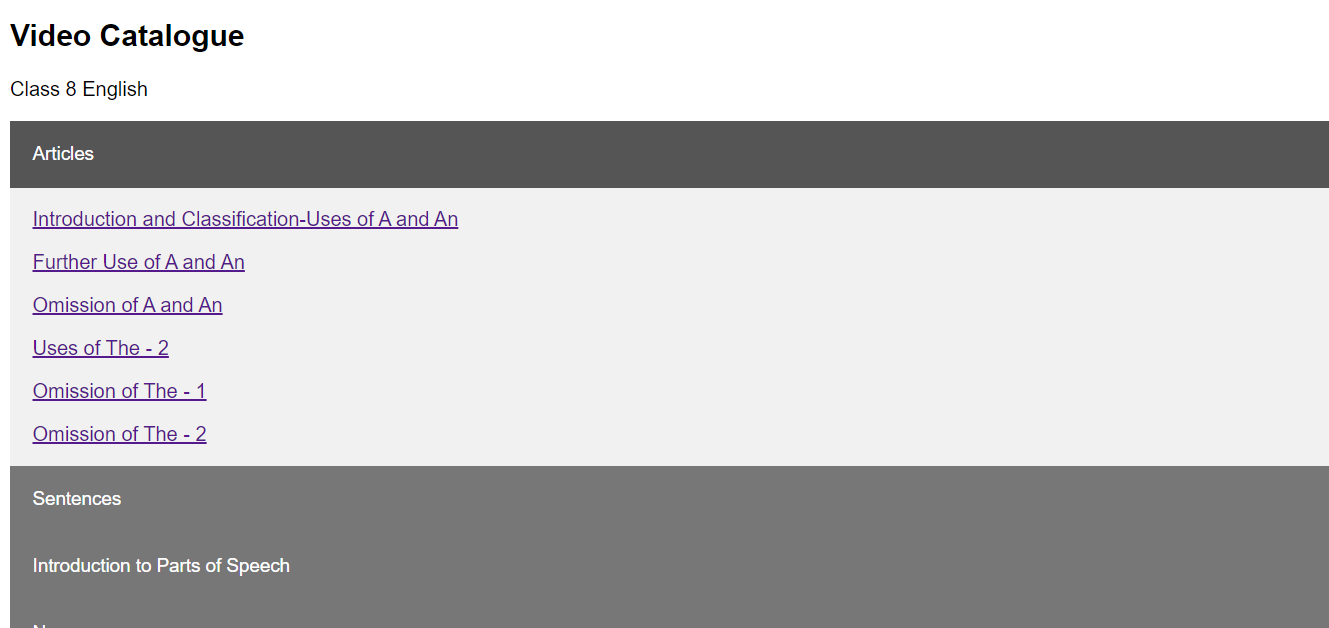
1. **Open the Pendrive folder and copy and paste it in desktop**

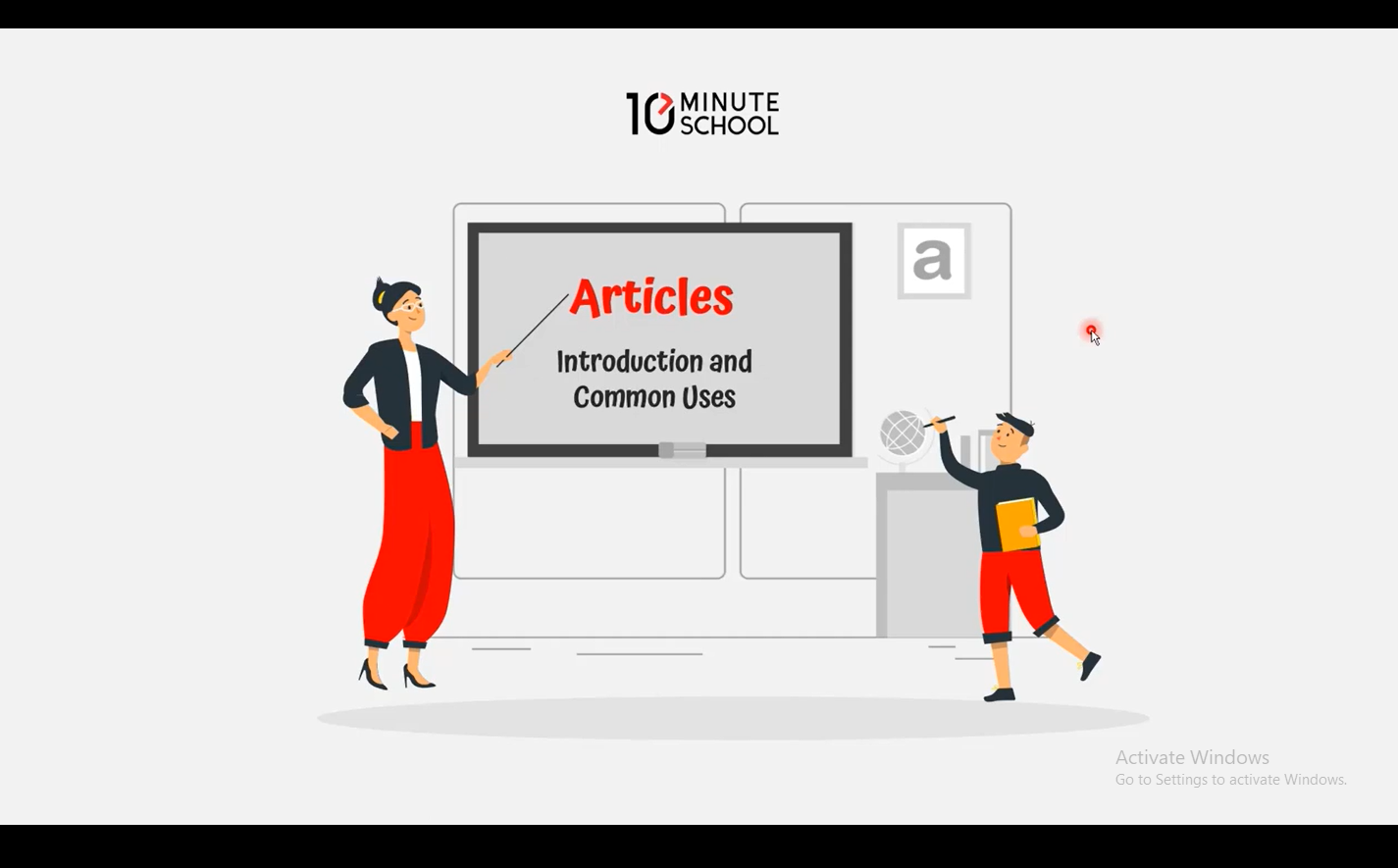
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1. **For video play use D-Lab Folder**



1. **Click HTML file**
2. **Click the title and open full screen video**

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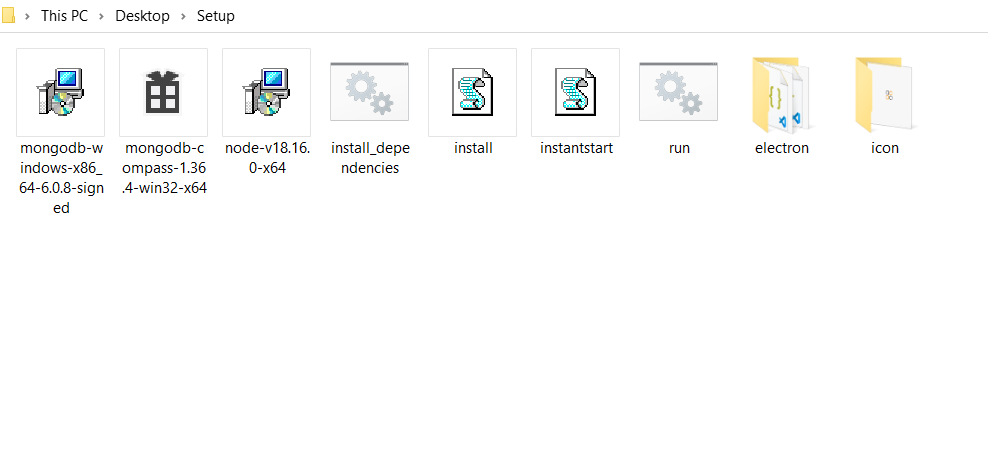
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1. **When video paused or end then created a download file**

**And save it in public folder**

**Install the Process**

**1)Set up file view**

****

**Process:**

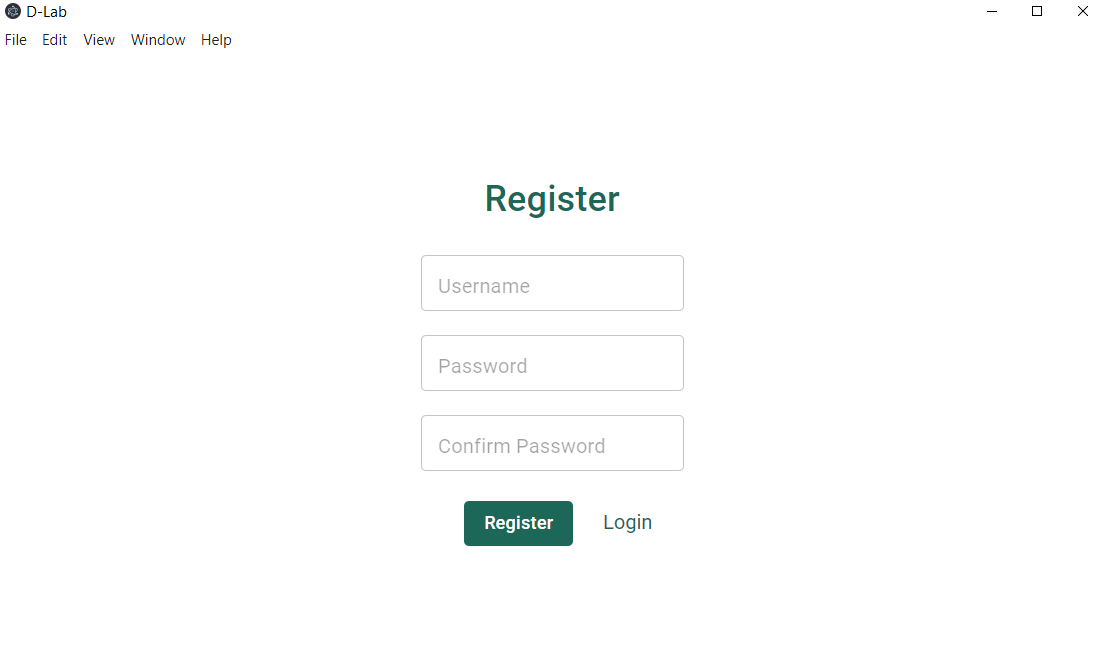
**Step 1) click install\_dependencies**

**Step 2) click node-v18.16.0-x64**

**Step 3) click mongodb-windows-x86\_64-6.0.8-signed**

**Step 4) click install-D-lab**

1. **Registration**



**Username**

**Password**

**Confirm Password**

**User Story**

1) User can Register with username and password

Example: Username: Test

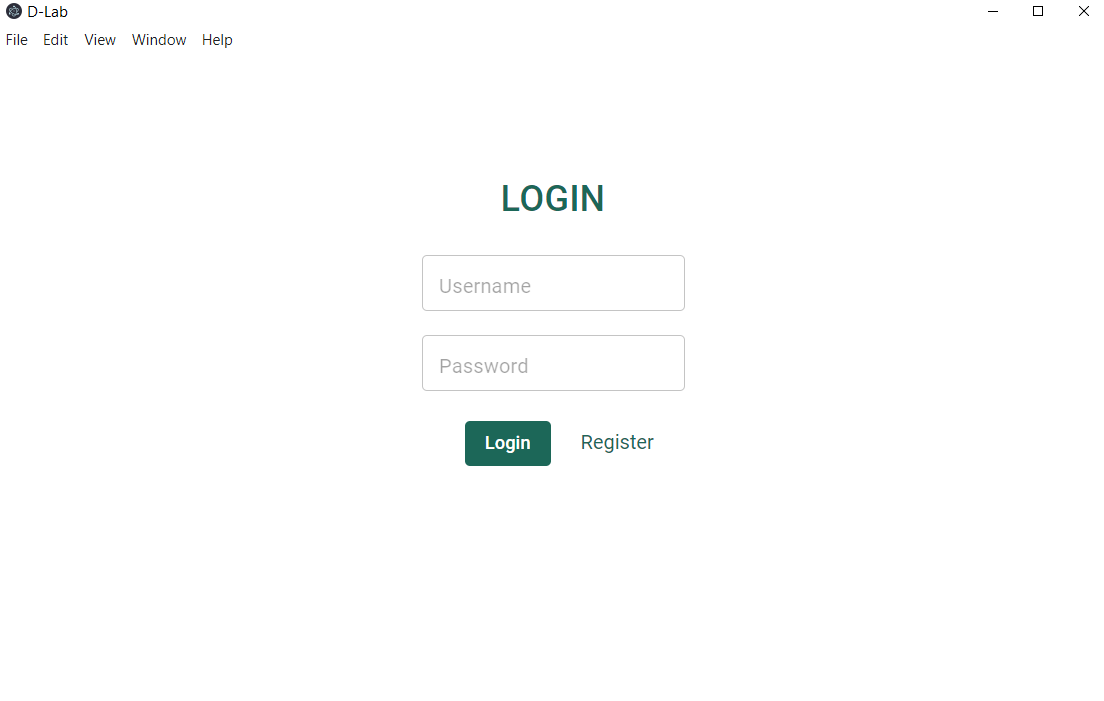
Password: test1234

Confirm Password: test1234

2) User can login after registration

**Acceptance Criteria Login**

1. **Use Valid Alphanumeric Username and Alphanumeric Password**
2. **Login**



**Password**

**Username**

**User Story**

1) User can login with username and password

Example: Username: Test

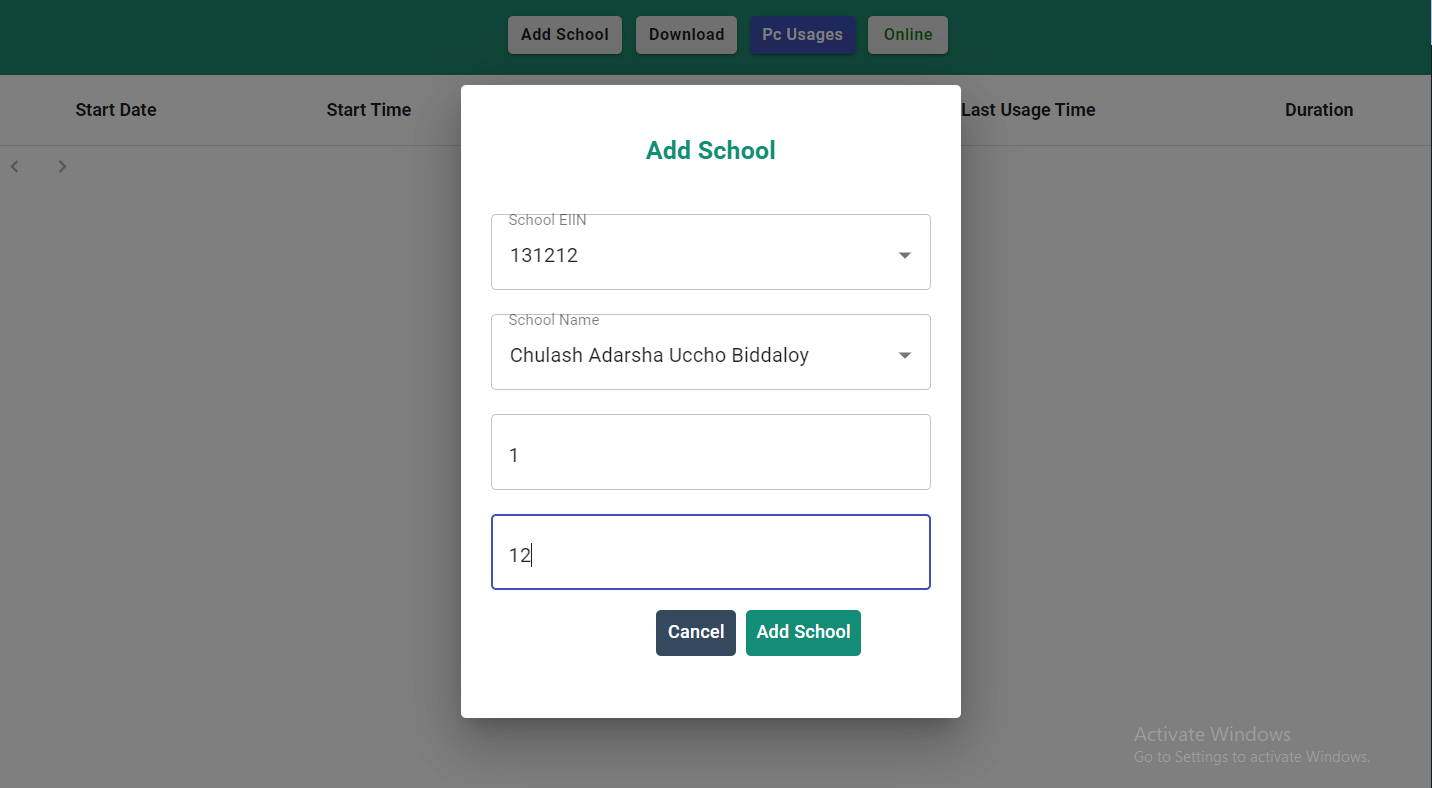
Password: test1234

2) User can register

**Acceptance Criteria Login**

1. **Registered Username and Password**

1. **Add School**



**School EIIN**

**School Name**

**Username**

**Lab Id**

**Pc Id**

**User Story**

1) User Can Insert School EIIN, School Name, Lab Id, Pc Id

Example: School EIIN: 131212

School Name: Chulash Adarsha Uccho Biddaloy

Lab Id: 1

Pc Id: 12

2) User Add School

**Acceptance Criteria Login**

**1)All Textfield Fill up with data**

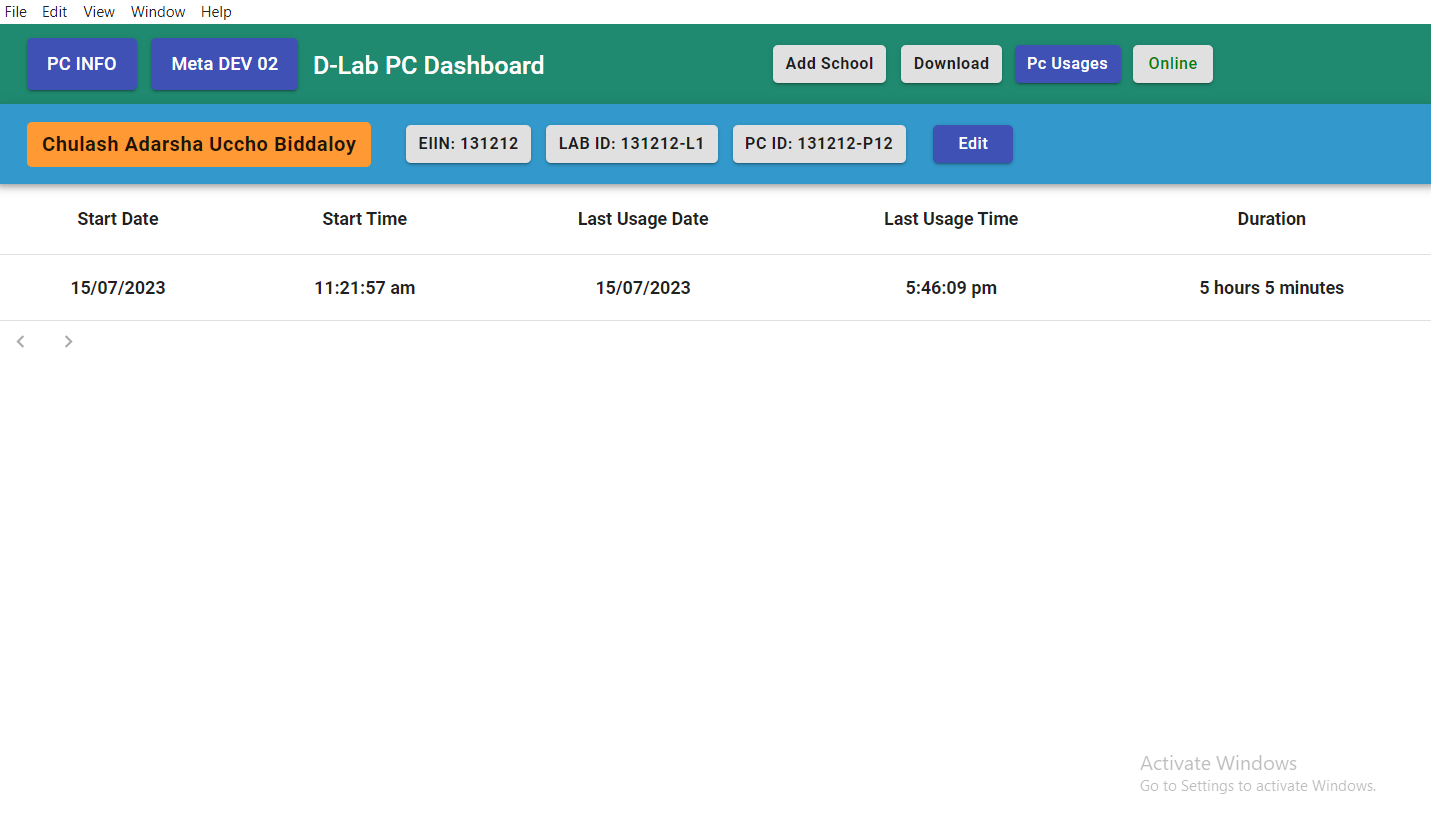
**4.Add School**

**Add school**

**Pc Usages**

**Download Single Data**

**Switch video**



**edit**

**All month information**

**User Story**

1. User can click to know instant time of pc usage and also it shows every 2 minutes
2. User can download single information
3. User can edit the school information
4. User can see the all-month data of pc usages
5. Use can switch video mood

**Acceptance Criteria**

1. **Have click the button properly**
2. **For editing you have insert right data**

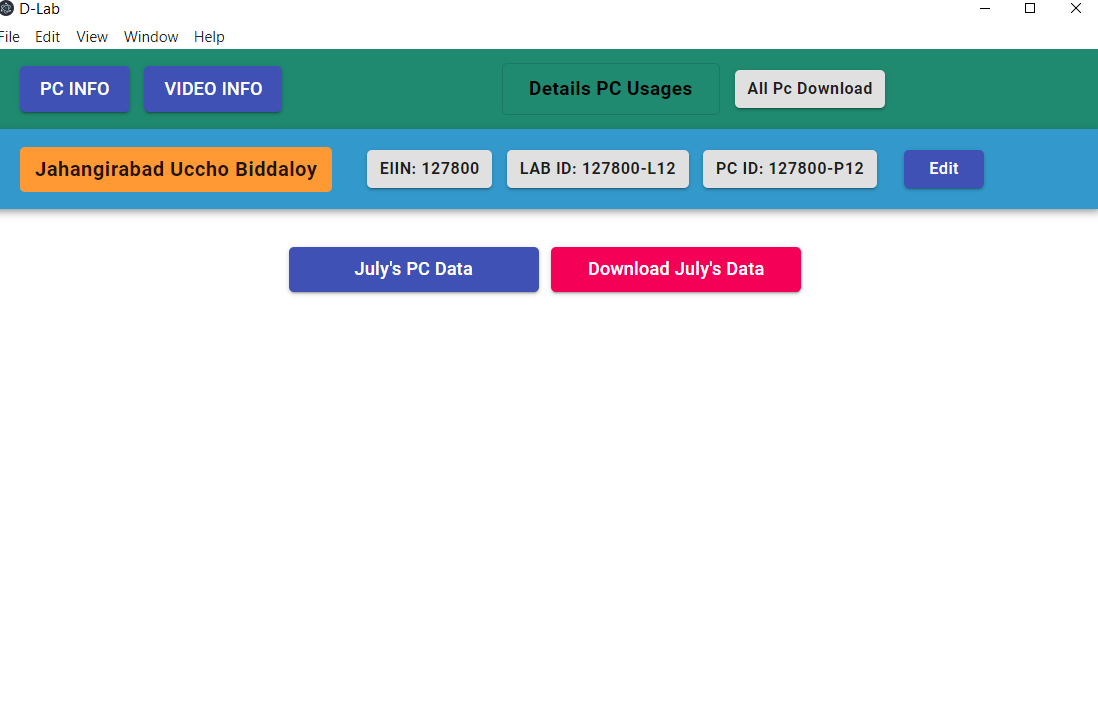
**4.All month School**

**Month wise download**

**Download all Data**

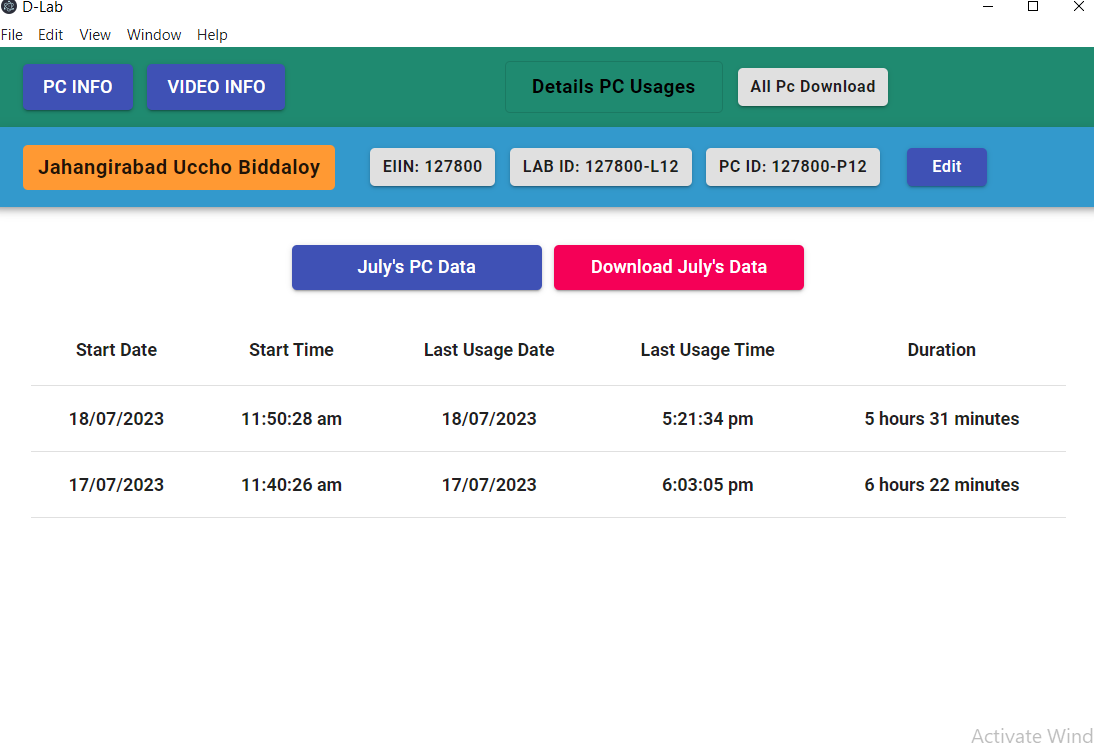
**Click to show July data**

**Switch video**



**edit**

**Back to pc info**



**Single moth information**

**User Story**

1)User can click to all information of pc usages / monthly

2) User can download month wise school information / all information\*

3) Use can switch video mood

**Acceptance Criteria**

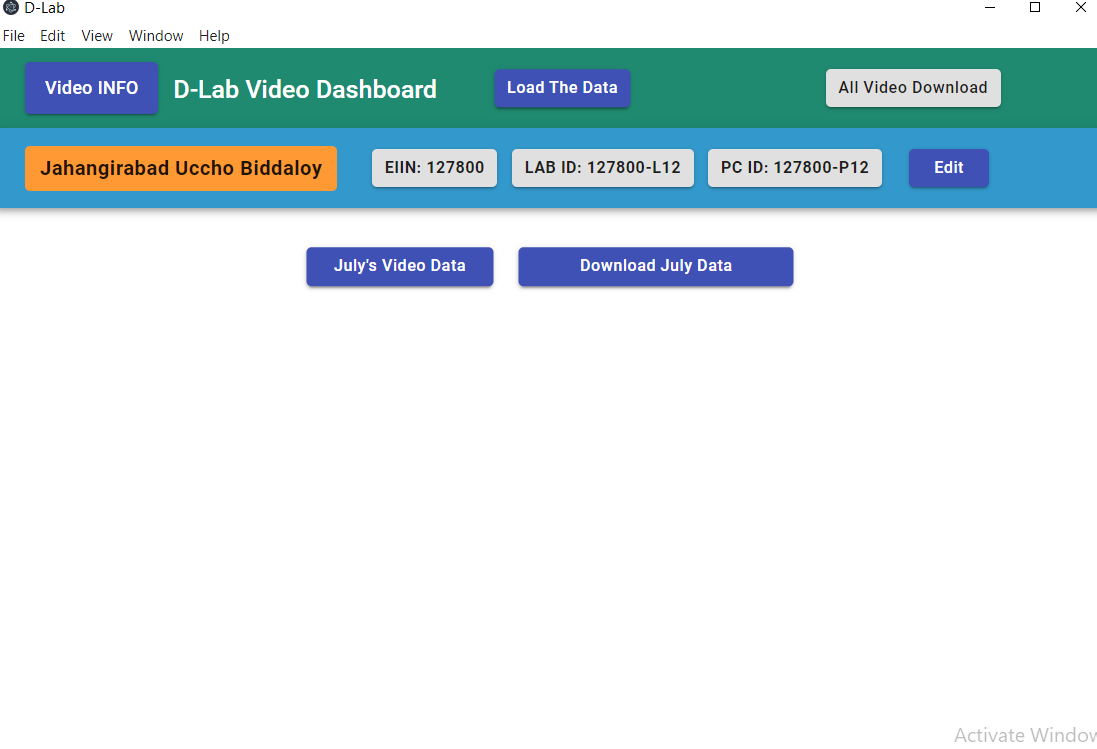
1. **Have click the button properly**

**4.video load**

**Load the data**

**Download all Data**

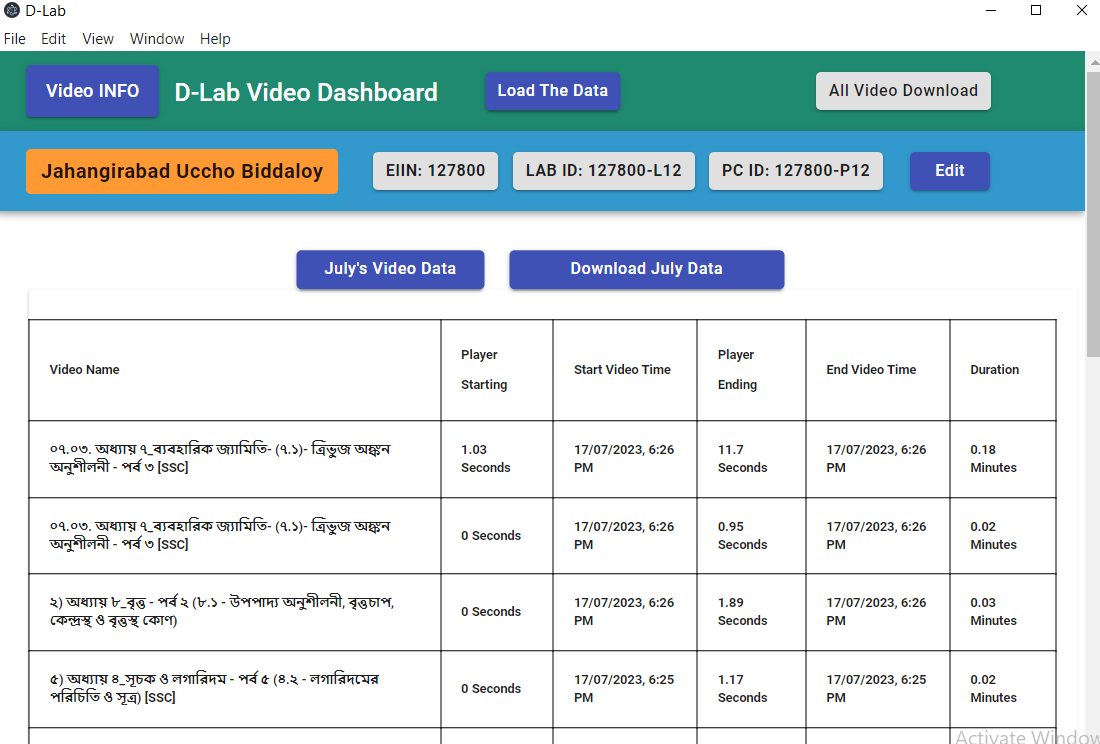
**Switch pc**



**Download**

**Month wise**

**single month information**



**Switch the pc mode**

**single month information**

**User Story**

1. User can click to know the video details/month wise/all
2. User can download all information of video / month wise video information
3. Load the data to see video information from playing video of 9gb file
4. User can see the all-month data of pc usages

10)Use can switch Pc mood

**Acceptance Criteria**

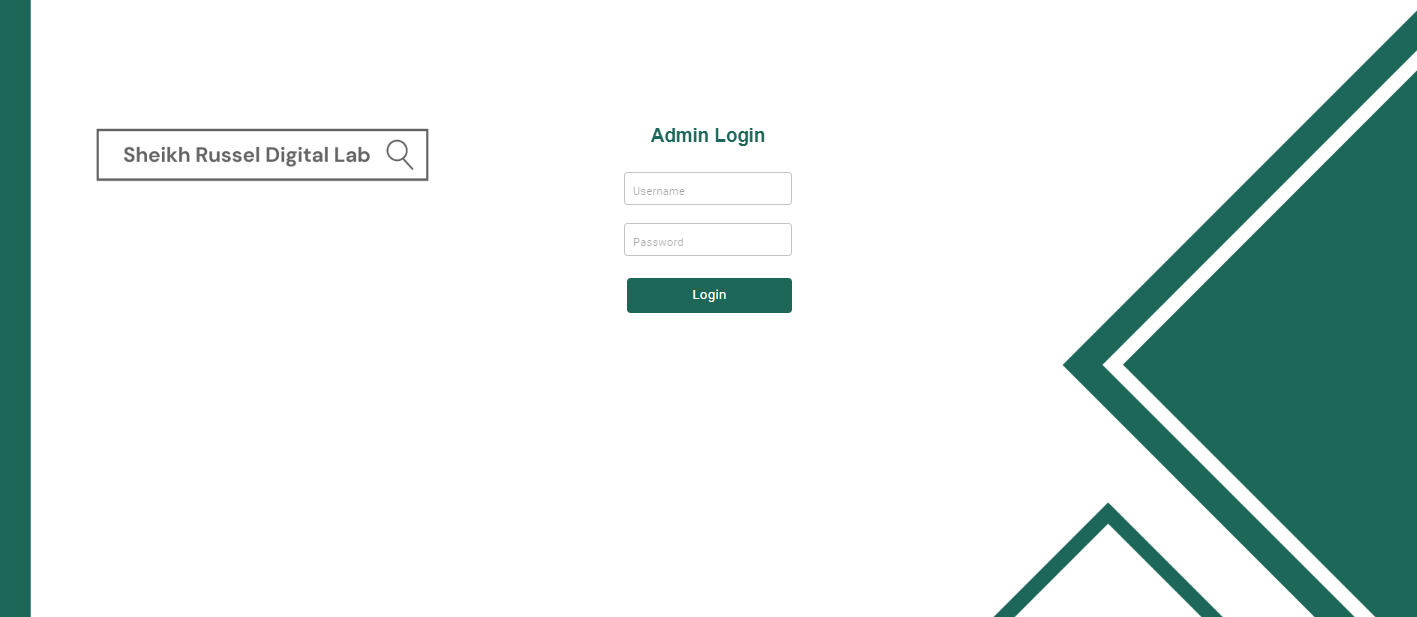
1. **Have click the button properly**
2. **For editing you have insert right data**

**Admin dashboard**

1. **Login**

**Password**

**Username**



**User Story**

1) User can login with username and password

Example: Username: Test

Password: test1234

2) User can register

**Acceptance Criteria Login**

1. **Registered Username and Password**

