

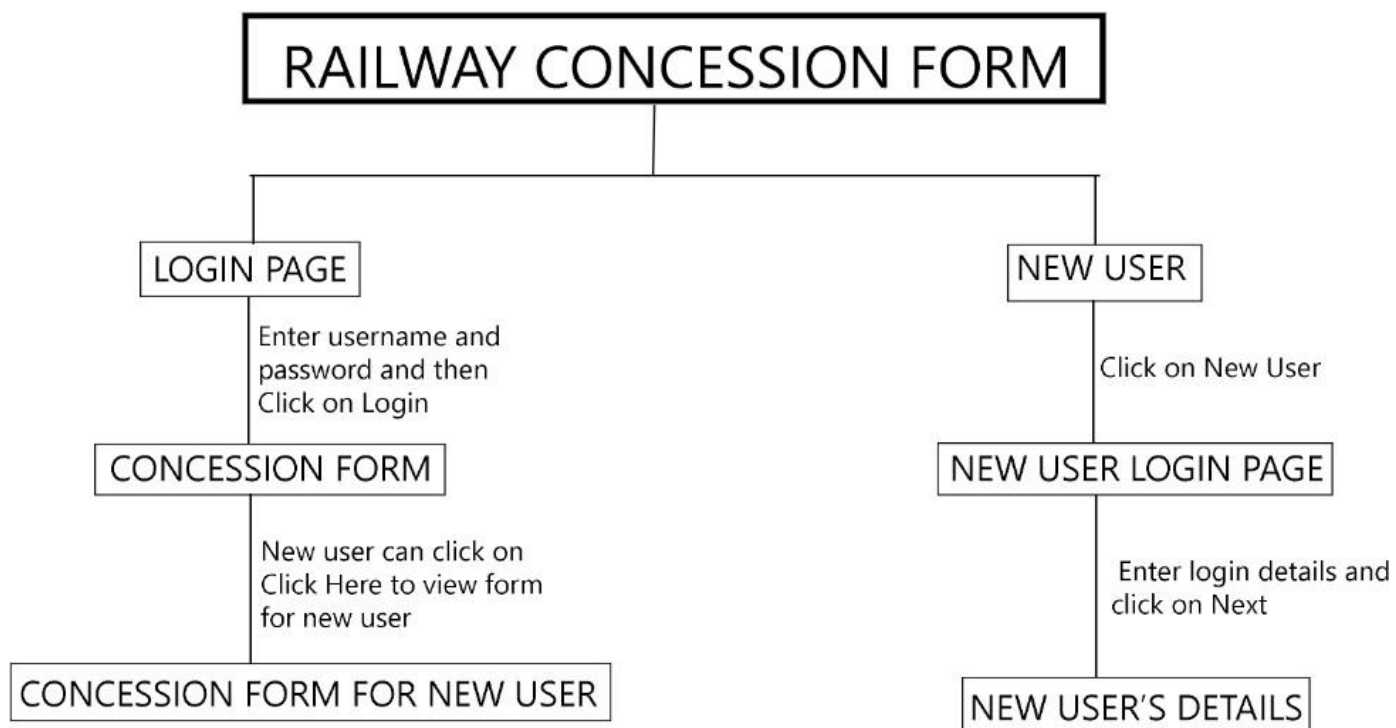
Railway-concession-form

It is an application which can be used by schools, colleges and institutes for creating railway concession forms and easily feeding data in phpmyadmin and accessing entries in it.

Introduction :


The project is based on a railway concession form where the details of users are already saved. If a new user arrives, there is an option for a new user's login as well as user's details where his/her records will be saved in the database. If a user is already registered, then he/she can directly apply for a concession by logging in. If a first-time user is filling the form, he/she can click on 'don't have pass'. The form details will be saved in the database, and an admin can access information through the database.

Process Flow Diagram :



Description :

The login page has two option that is for the user already exist and for new users. The user that already exists will login and new user will click on 'New User'.



The screenshot shows a web browser window titled "Dialog" with a red close button. The main content area has a header image of a large, multi-story building with a green field in front. The text "DBIT RAILWAY CONCESSION" is overlaid on the image. Below the image, there are two input fields: "Username : Enter Moodle ID" and "Password :". Below these fields are two buttons: "Login" and "New User".

DBIT RAILWAY CONCESSION

Username :

Password :

If registered user logs in he/she can fill the concession form.

Concession Form

The image shows a scanned UTS concession ticket. Labels point to the following fields:

- Ticket No.**: Points to the top right number 55368777.
- Class**: Points to the 'FIRST CLASS' label.
- Ending station**: Points to the 'VIDYAVIHAR' destination.
- Starting Date**: Points to the 'Valid from' date 19-10-2018.
- Ending Date**: Points to the 'To' date 18-01-2019.
- Voucher No.**: Points to the bottom right voucher number 1071644.

Don't have previous pass ? → [Click Here](#)


<p>Previous Pass Details :</p> <p>Ticket Number : <input type="text"/></p> <p>Train Class : <input type="text" value="First"/></p> <p>Ending Station : <input type="text" value="Vidyavihar"/></p> <p>Starting Date : <input type="text" value="YYYY-MM-DD"/></p> <p>Ending Date : <input type="text" value="YYYY-MM-DD"/></p> <p>Voucher Number : <input type="text"/></p>	<p>Current Pass Details :</p> <p>Ending Station : <input type="text" value="Vidyavihar"/></p> <p>Period : <input type="text" value="Monthly"/></p> <p>Train Class : <input type="text" value="First"/></p>
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* Please check whether the voucher Number you filled is correct.

If a new user is applying for form he/she click on 'Click here' as shown below to view form.

Dialog
?
✕

Concession Form



Don't have previous pass ? [Click Here](#)

Previous Pass Details :

Ticket Number :

Train Class :

Ending Station :

Starting Date :

Ending Date :

Voucher Number :

Current Pass Details :

Ending Station :

Period :

Train Class :

* Please check whether the voucher Number you filled is correct.

For a new user only currentdetails will be asked.

Dialog

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Concession Form

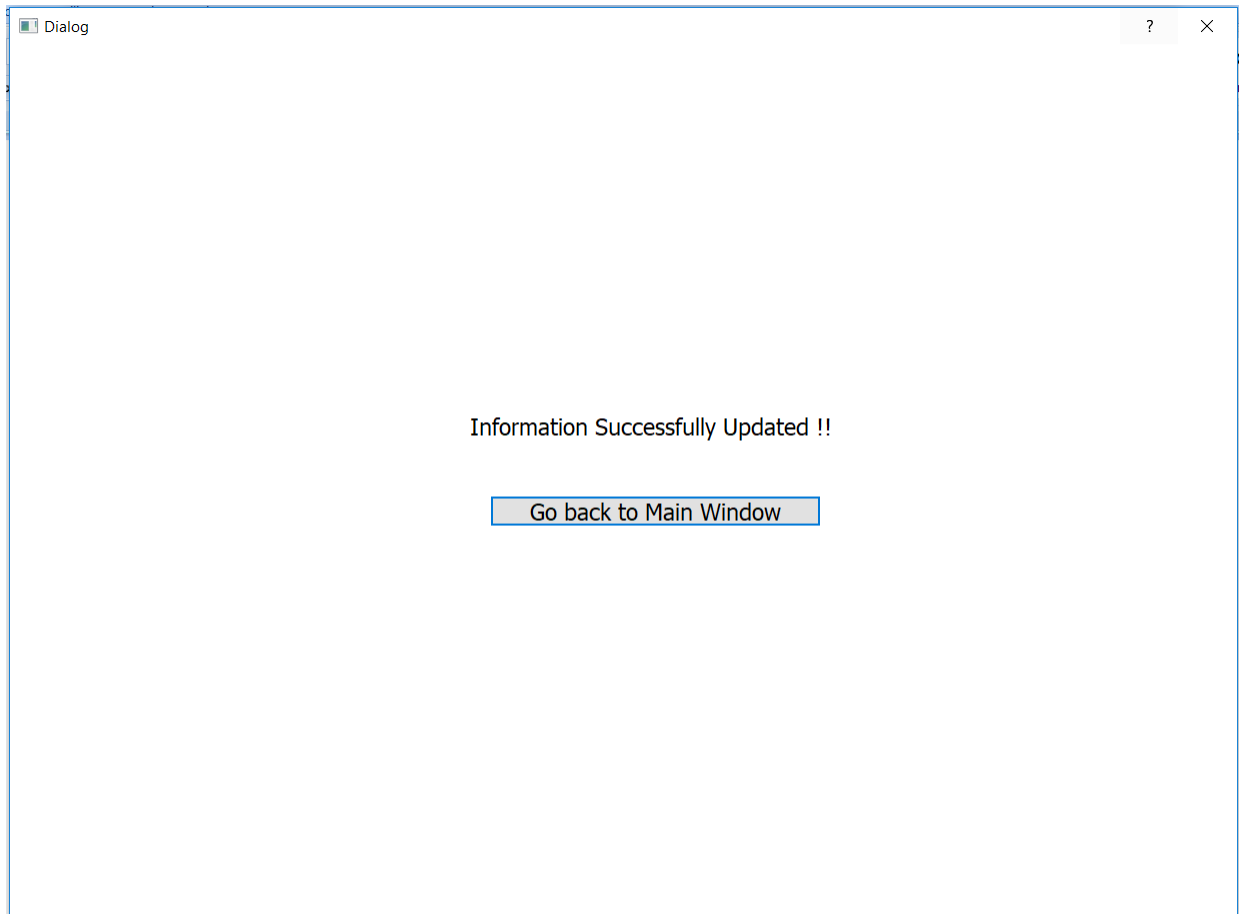
Current Pass Details :

Ending Station :

Period :

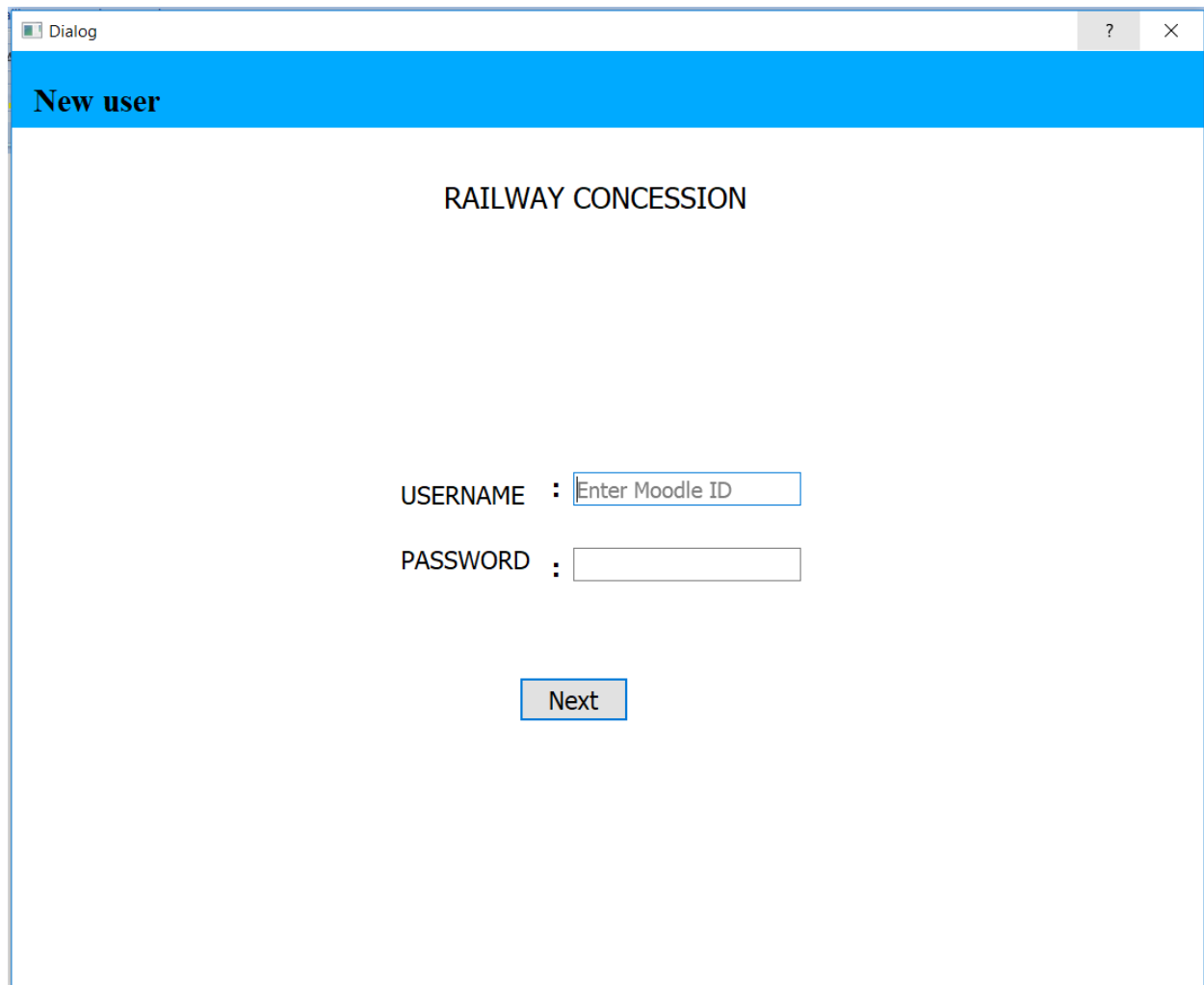
Train Class :

If information is updated it will display closing window.



If a user is new he/she can click on 'New User'.

And view login details.



The image shows a software dialog box titled "Dialog" with a blue header bar containing the text "New user". The main content area is white and displays the title "RAILWAY CONCESSION" in bold. Below the title, there are two input fields: "USERNAME : Enter Moodle ID" and "PASSWORD : ". A "Next" button is located at the bottom center of the dialog.

New user

RAILWAY CONCESSION

USERNAME :

PASSWORD :

Then click on 'Next' to add user's details.

Dialog

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Student Details

Personal Details :

Name :

Date of Birth :

YYYY-MM-DD

Contact :

Student ID :

Gender :

Male

▼

Email :

City :

Address :

Academic Details :

Department :

IT

▼

Year :

FE

▼

Semester :

I

▼

Additional Details :

Starting station :

Ending Station :

Vidyavihar

▼

Railway Line :

Central Line

▼

Submit

Once details are recorded closing window will appear.

The details will be saved in database and admin can access information through database.

Description of technology/software/module/packages used :

Python :

Python is a dynamic object-oriented programming language that can be used for many kinds of software development. It offers strong support for integration with other languages and tools, comes with extensive standard libraries, and can be learned in a few days. Many Python programmers report substantial productivity gains and feel the language encourages the development of higher quality, more maintainable code.

Python runs on Windows, Linux/Unix, Mac OS X, OS/2, Amiga, Palm Handhelds, and Nokia mobile phones. Python has also been ported to the Java and .NET virtual machines.

Python is distributed under an OSI-approved open source license that makes it free to use, even for commercial products.

PyQt5:

PyQt is a library that lets you use the Qt GUI framework from Python. Qt itself is written in C++. By using it from Python, you can build applications much more quickly while not sacrificing much of the speed of C++.

PyQt5 refers to the most recent version 5 of Qt. You may still find the occasional mention of (Py)Qt4 on the web, but it is old and no longer supported.

An interesting new competitor to PyQt is Qt for Python. Its API is virtually identical. Unlike PyQt, it is licensed under the LGPL and can thus be used for free in commercial projects. It's backed by the Qt company, and thus likely the future. We use PyQt here because it is more mature. Since the APIs are so similar, you can easily switch your apps to Qt for Python later.

MySQL phpmyadmin:

phpMyAdmin is a free web application that provides a convenient GUI for working with the **MySQL** database management system. It is the most popular MySQL administration tool that is used by millions of users worldwide and has won numerous awards and honors.

Written in PHP, it has all common functions that you may need when developing a MySQL-based application or website. It also gave birth to several similar products, for example **phpPgAdmin** which provides similar functionality for the PostgreSQL DBMS.