

# WIZARDING WORLD



**D.S.B. International Public  
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Computer SQL Project

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# INDEX

1. Preface
2. Introduction
3. Objective of the project
4. Scope of the project
5. The Existing System
6. The Proposed System
7. Input/Output Requirements
8. Hardware/Software Requirements
9. Tables and Fields for Database
10. Security Control
11. Conclusion
12. Reference or Bibliography

# Preface

“Wizarding World” consists of everything one would want to know about Harry Potter Universe. The origin of the idea was my need to find a place having all about the magical world. My project helps us to access the character list of Harry Potter Universe as well as give the opportunity to the user to add the left out characters. I did not leave Fantastic Beasts Franchise out of this. You can also give feedbacks about the books and the movies as well as read the reviews given by the others. One of my favourite menus in the project is Hogwarts House Menu. Via this you can find about the history of the four Hogwarts houses namely Gryffindor, Slytherin, Ravenclaw and Hufflepuf. To make this more interesting I have also given the choice of enrolling yourselves into your favourite Hogwarts House to the user. My project will act as an informative as well as an interactive website. You can access information and add to it too. You can read opinions of different critics before making up yours.

# Introduction

I will introduce my project from the top. The opening page asks user which of the following page he would like to visit:

\*Harry Potter Characters Menu:

- # To show Character List
- # To add a Character
- # To open search bar
  - 1. To search on the basis of Blood status
  - 2. To search on the basis of Hogwarts Houses

\*Hogwarts Houses Menu

- #To show houses and their history
- #To show list of students
- #To add a student

\*Fantastic Beasts Book & Movies Menu

- #To view list of books & movies
- #To visit Feedback-Review System
  - 1. To read reviews
  - 2. To add feedback

\* Harry Potter Book & Movies Menu

- #To view list of books & movies
- #To visit Feedback-Review System
  - 1. To read reviews
  - 2. To add feedback

# Objective of the Project

1. The main goal of this project is to acts as a library for all the enthusiasts interested in the wizarding world. It also aims to create an interactive environment with the review-feedback system.
2. The project will be helpful to all the Potterheads around the world. It wil extinguish their search for information and satisfy their cuosity wholeheartedly.
3. There are many instances when we want to know others opinion on a particular movie or a book but it's not possible to find the apt person quickly. Therefore, our review system helps you converse with potterheads around you as well as give your own opinions to them.
4. The database is managed with help of SQL. Different tables store the information systematically and can be retrieved anytime. It also allows us to input data from the user. Accesibility and storage becomes easy with a DBMS like SQL.

# Scope of the Project

A project based on a world famous book series definitely has a good scope in future. Harry Potter has a huge fanbase. While Fantastic Beasts is still under process. With a lot of new books and movies arriving, this project will help in assembling data and provide immediate responses. In the future, we can develop further updates of this project providing the resources through which users can find the houses they will get sorted into with help of Sorting Hat. It may be developed to give users the wand they deserve and what kind of core, unicorn hair, dragon's heart string or thestral's horn, their wand might have. They can also find their own Patronuses using their happy memories. We can also develop an online chatroom or a forum to discuss about various fan theories and fan fiction. Further, we can also upgrade it to a game where various wizard will duel with each other. With many more exciting features this can be one of the most successful Harry Potter based projects. I do look forward to develop and enhance it in many possible suggested ways.

# The Existing System

At the present moment, there are many Harry Potter sites on web. Some of them are:

- Harrypotter.fandom.com
- Bloomsbury
- MuggleNet
- PotterDome
- PotterTalk
- The Daily Prophet.net
- Wizards Unite
- Magic Trivia Quiz Wizard Spell
- Accio Nox
- Wizarding World of Harry Potter created by J.K. Rowling

All these websites and iOS apps are brilliant sources of information but all of them lack one thing that is user-interaction. Without the user putting efforts from his side, these websites become pretty boring with time. That's exactly why we are replicating a better and more-resourceful model of this incredible already existing plan.

# The Proposed System

The new system proposed by me is different and more helpful in many ways. Some of the salient features of “The Wizarding World Library”:

- Instead of providing long and detailed articles, it provides you with a systematic and presentable list of characters. It makes searching easy. Instead of searching across the web you can directly go to our search menu.
- If unfortunately your favourite character is missing from our list, you can add it yourselves.
- You can enroll yourselves in our list of members of Hogwarts Houses.
- You can get instant information about any upcoming Fantastic Beasts movie.
- Most importantly you can give your feedback and read reviews of the fellow fans. You can interact with people like you more easily and efficiently with less resources.
- In future you can also develop your own character and have duels with other characters on the platform.

# Input/Output Requirements

The input from user can be required in following scenarios:

- To add a character; data required is ("Character\_ID","Character\_Name","Character\_Actor","Character\_Blood\_Status","Character\_Hogwarts-house","Character\_Nickname","Character\_DOB","Character\_Wand","Character\_Patronus","Character\_Physical Appearance")
- To add yourselves as a member; data required is ("Student\_ID","Student\_Name","Student\_House ","Student\_Blood Status")
- To add a feedback; data required is ("Individual\_ID","Individual\_Name","Individual\_Email ID","Individual\_Feedback")

The output comprises of different tables stored in the database like Characters' List, Hogwarts Houses, Book & Movies Catalog, and feedback list given as input by different users on the platform.

# Hardware/Software Requirements

Hardware requirement includes a set-up of Laptop or a PC-setup.

Software requirements includes the following:

- Python 3.10 or any latest version of Python.  
Size:26.3 MB (2,75,86,384 bytes)
- Mysql\_installer Version 8.02.10 from Oracle  
Size:26.3 MB (2,75,86,384 bytes)
- Mysql command line client program  
Size:4.00 KB (4,096 bytes)
- Mysql python connector with import modules  
Size:111 MB (11,65,27,104 bytes)
- Python program for database management  
Size:8.00 KB (8,192 bytes)
- Python program for executing Menu  
Size:8.00 KB (8,192 bytes)

# Tables and Fields for Database

Under the database “hp\_world” following tables have been created:

## 1. hpmember

Fields:(chid integer unique, cname varchar(70), chactor varchar(70), chbloodst varchar(15), chhouse varchar(15), chnick varchar(50), chdob date, chwand varchar(200), chpatronus varchar(40), chphyapp varchar(500))

## 2. hphouse

Fields:(hno integer unique, hname varchar(50), hfounder varchar(70), hanimal varchar(40), hcolour varchar(90), helement varchar(59), hghost varchar(50), htraits varchar(500), hhead varchar(550), hmmember varchar(5000))

### 3. hpmember

Fields: (mid integer unique, mname varchar(100), mhouse varchar(30), mbloodst varchar(30))

### 4. fbbook

Fields: (bid integer unique, bname varchar(200), bmovie varchar(200), byear date, myear date)

### 5. fpreview

Fields: (rno integer unique, rname varchar(60), remail varchar(150), rreview varchar(2000))

### 6. hpbook

Fields: (bid integer unique, bname varchar(200), bmovie varchar(200), byear date, myear date, bsummary varchar(2200))

### 7. hpreview

Fields: (rno integer unique, rname varchar(60), remail varchar(150), rreview varchar(2000))

# Security Control

Host: local

User: root

Password: tiger

Connectivity:

- TCP/IP
- Port: 3306
- X Protocol Port: 33060

Windows Service Name: MySQL80

User's input and privacy management:

To enable yourselves to add a feedback into the system, we will need your email-id. These email-id will be protected from any outside attack or a virus threat. By giving your email-id, you will be giving your consent to e-mail you. These email-id will be used for fair and legal use only.

User's ID & Password:

While logging in to the system, create a strong and complex password.

# Conclusion

The making of this project was hard and tedious and required a lot of research but it still was successful in building my knowledge. I learnt a lot during the making of this process. Most importantly I learnt the application of SQL and python connectivity. There were many commands that I was not aware of and had to search via books and internet. I also found a lot of scope for my creativity and innovation in this project. I got this wonderful opportunity to explore my favourite topic of all time Harry Potter. I had to research a lot more on Harry Potter to make this project. Overall it was a memorable experience to develop this project step-by-step. Under the guidance of Vinay sir, I gave this project the best of my knowledge and efforts. I hope I can upgrade this project in future and focus on its development. This project taught me a lot and I am grateful for the knowledge I received through this project.

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**thank  
YOU**

