Title: Local Event Finder

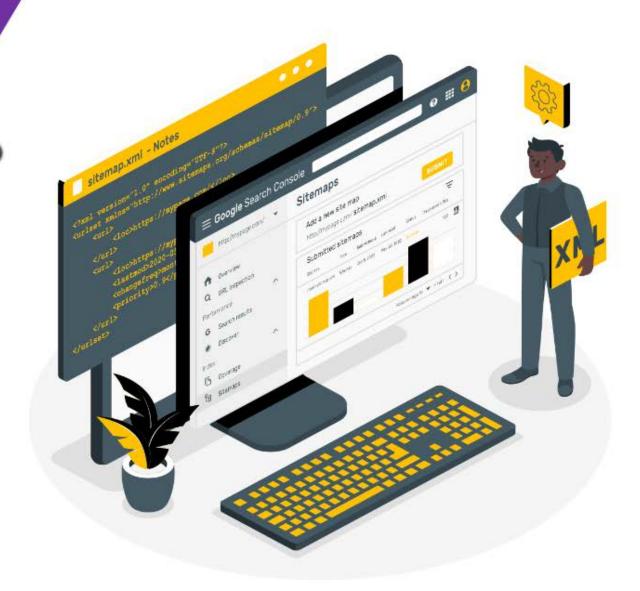
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**SECTION 04** 

Lecturer:

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Provide users with an easy-to-use platform to find local events.

Allow users to search for events by title, date, and location.

provide notifications for upcoming events.

# Purpose:

Facilitate community engagement and participation.

Promote local events and activities.





## **Object-Oriented Concepts**



# ্ৰু Encapsulation:

User class with private attributes (userld, name, email, password) and public methods.



# ( Inheritance:

RegularUser and PremiumUser classes inheriting from the User class.



## Polymorphism:

EventSearcher class using polymorphic methods to search for events.



#### Abstraction:

asAbstract Event class with OnlineEvent and OfflineEvent subclasses.

# System Demonstration

## Input:

- User registration and login.
- Search for events by title, date, and location.



### Output:

- Display search results.
- Show event details (title, description, date, location, link/venue).
- Display notifications for upcoming events.

# Thank You