

Title: Local Event Finder

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SECTION 04

Lecturer:

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Objects:

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



Encapsulation:

User class with private attributes (userId, 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.

AND

Output:

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

The background features a white central area flanked by a light gray triangle on the left and a purple triangle on the right. Several small, light gray triangles are scattered across the white space. A small yellow triangle is located in the bottom left corner.

Thank You