

CSCI 2720/ESTR2106 – Building Web Applications

Course Project Demo

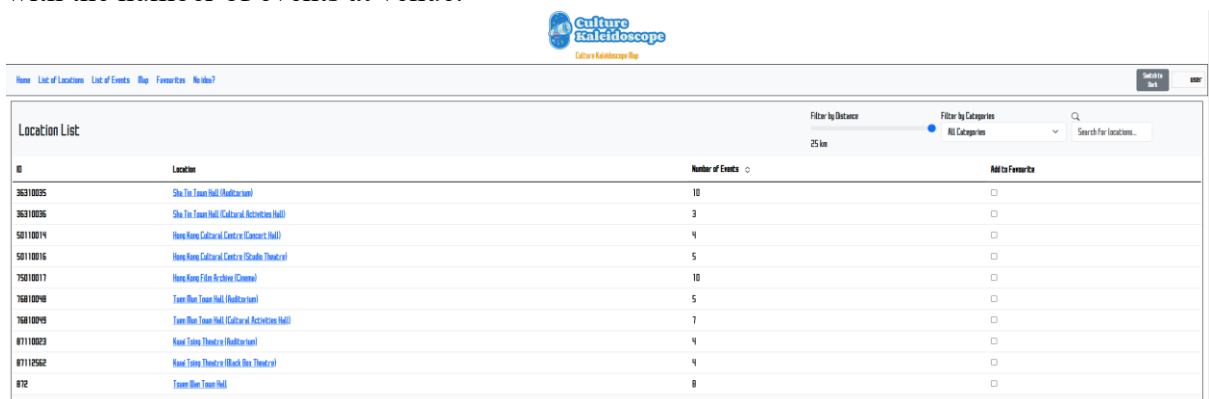
Project Demo:

This document demonstrates some screen captures of a finished project done by our TA Yu Jianxun. This demo only fulfills the basic requirement. In your project, you are encouraged to put more effort into designing extra features and decorating the layout.

Basic application requirements:

User actions:

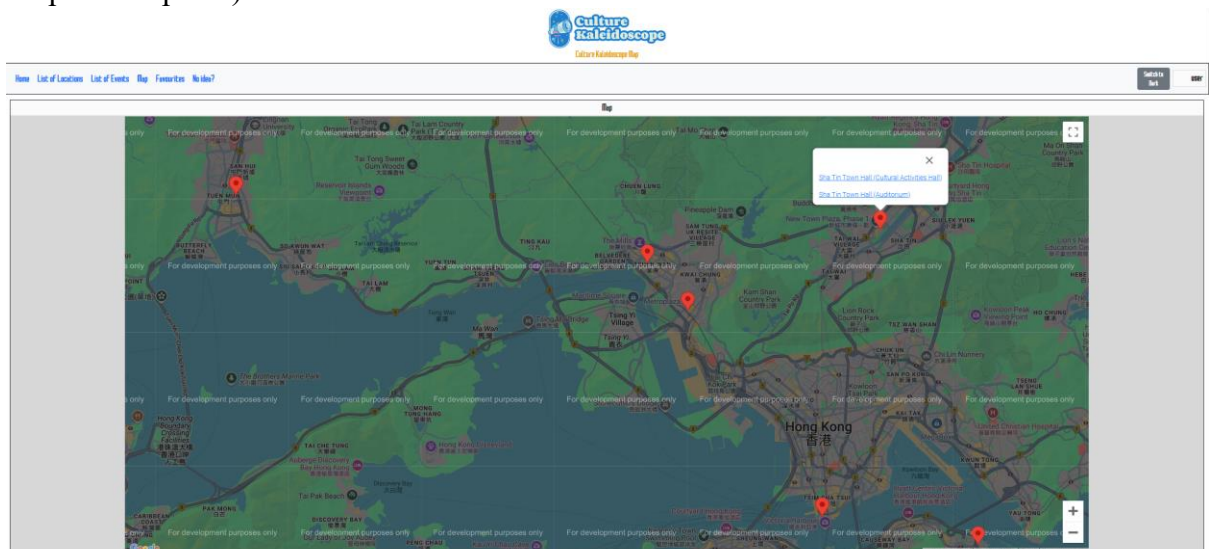
1. List all locations in a table as links to single locations and allow sorting of the table with the number of events at venue.



The screenshot shows the 'Culture Kaleidoscope' web application interface. At the top, there's a navigation bar with links: Home, List of Locations, List of Events, Map, Favorites, and Help. Below the navigation bar, there's a 'Location List' section. It includes a table with columns: ID, Location, Number of Events, and Add to Favorites. The table lists 10 locations in Hong Kong, each with a unique ID and a link to its details page. The 'Number of Events' column shows the count of events for each location. The 'Add to Favorites' column has a checkbox for each location.

| ID | Location | Number of Events | Add to Favorites |
|----------|--|------------------|--------------------------|
| 36310025 | She Tin Town Hall (Hall/centre) | 10 | <input type="checkbox"/> |
| 36310026 | She Tin Town Hall (Cultural Activities Hall) | 3 | <input type="checkbox"/> |
| 50110014 | Hong Kong Cultural Centre (Concert Hall) | 4 | <input type="checkbox"/> |
| 50110016 | Hong Kong Cultural Centre (Theatre) | 5 | <input type="checkbox"/> |
| 75010017 | Hong Kong Film Archive (Cinema) | 10 | <input type="checkbox"/> |
| 76010046 | Tsuen Wan Town Hall (Hall/centre) | 5 | <input type="checkbox"/> |
| 76010049 | Tsuen Wan Town Hall (Cultural Activities Hall) | 7 | <input type="checkbox"/> |
| 87110023 | Kowloon Theatre (Theatre) | 4 | <input type="checkbox"/> |
| 87112562 | Kowloon Theatre (Black Box Theatre) | 4 | <input type="checkbox"/> |
| 872 | Tsuen Wan Town Hall | 8 | <input type="checkbox"/> |

2. Show all locations in a map, with links to each single location (suggested APIs: Google Maps or MapBox).



- Search for locations which contain keywords in the name which will result in a table of location results.

The screenshot shows the 'Location List' page on the Culture Kaledioscope website. A search bar in the top right corner contains the text 'sha tin'. Below the search bar, a table lists the search results:

| ID | Location | Number of Events | Add to Favourite |
|----------|--|------------------|--------------------------|
| 36310025 | Sha Tin Town Hall (Recreation) | 10 | <input type="checkbox"/> |
| 36310036 | Sha Tin Town Hall (Cultural Activities Hall) | 3 | <input type="checkbox"/> |

- A separate view for one single location, containing:
 - A map showing the location.
 - The location details.
 - User comments, where users can add new comments seen by all other users.

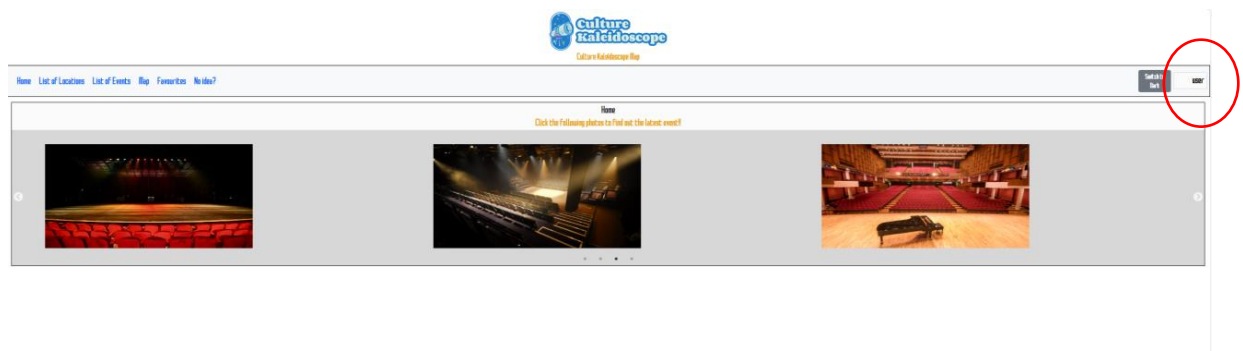
The screenshot shows the details page for 'Sha Tin Town Hall (Cultural Activities Hall)'. It includes a map of the location, a list of comments (currently empty), and an 'Add comment' button.

- Add location into a list of user's favourite locations and see the list in another view.

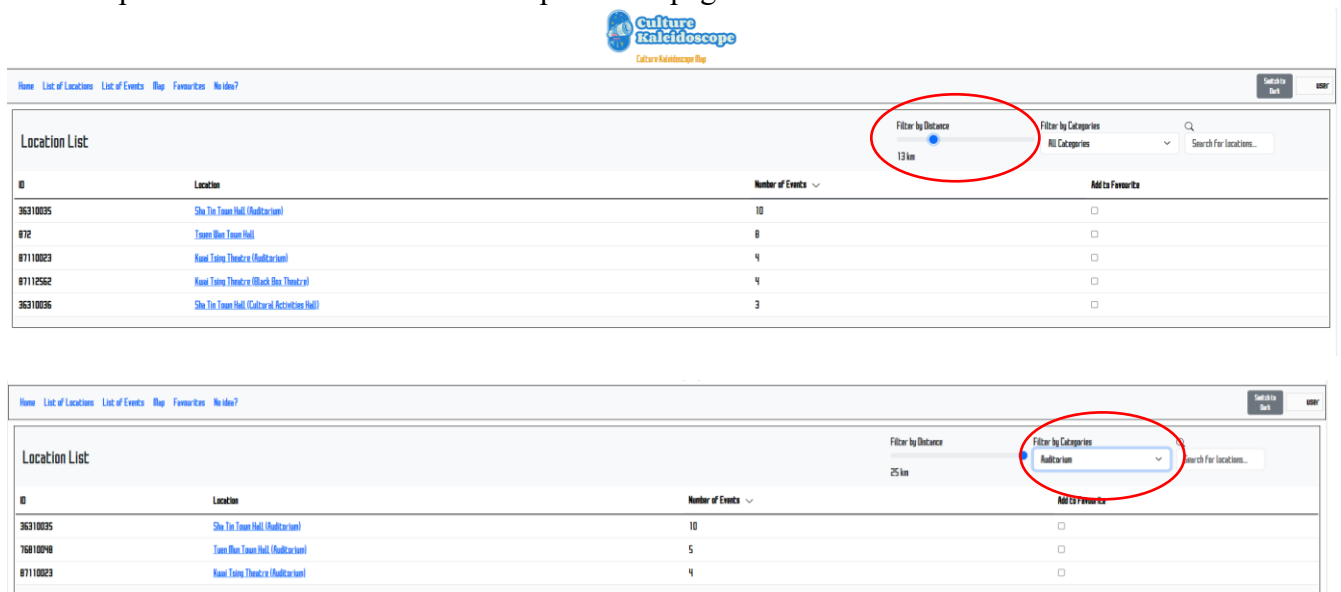
The screenshot shows the 'My Favourite Locations' page on the Culture Kaledioscope website. It displays a list of locations that the user has added to their favourites:

| ID | Name | Number of Events | Add to Favourite |
|----------|--|------------------|-------------------------------------|
| 50110014 | Hong Kong Cultural Centre (Concert Hall) | 4 | <input checked="" type="checkbox"/> |
| 50110016 | Hong Kong Cultural Centre (Shau Kei Theatre) | 5 | <input checked="" type="checkbox"/> |

6. See the username in the top-right of screen and be able to log out.

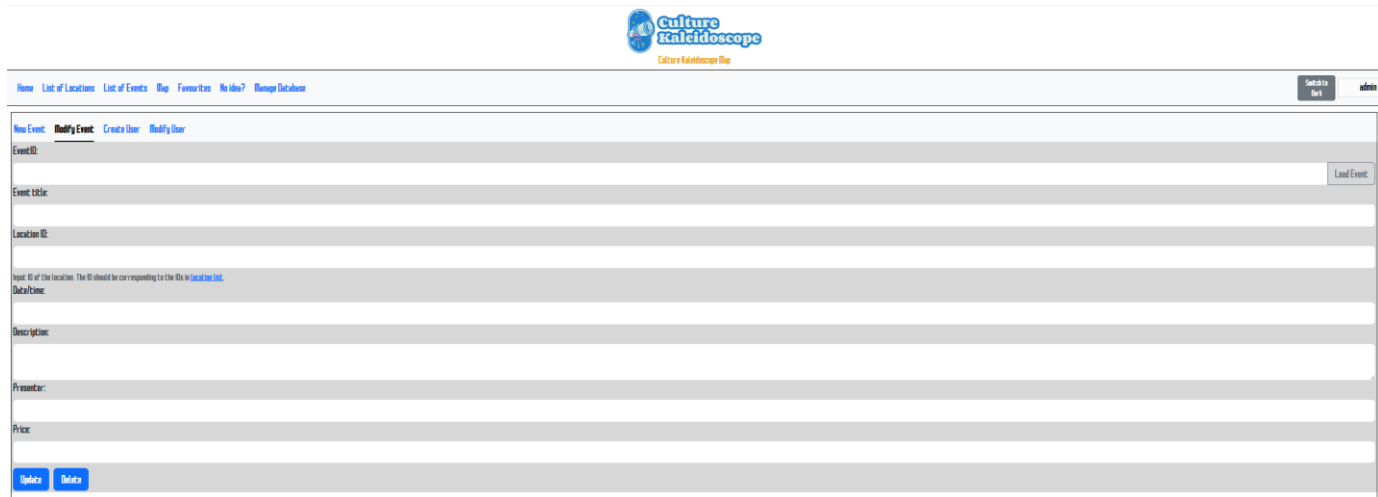


7. Filter locations by program category, and distance (e.g., within x km), with dynamic updates to the location list and map without page refresh.



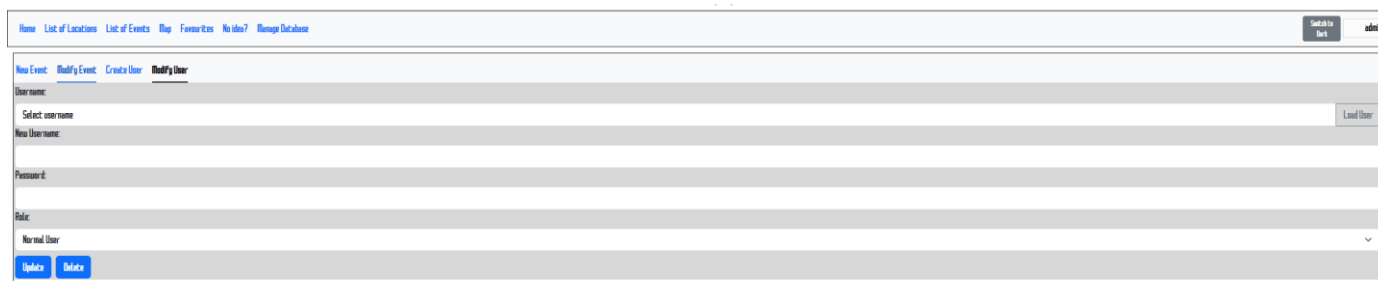
Admin actions:

1. CRUD stored event details in the local database.
 - a. We will not test other features (e.g., map, comments) if deleting an existing location.



The screenshot shows the 'Culture Kaleidoscope' admin interface. At the top, there's a navigation bar with links: Home, List of Locations, List of Events, Map, Favorites, No idea?, and Manage Database. On the right, there's a 'Settings' button and the user 'admin'. Below the navigation bar, there's a sub-navigation bar with links: New Event, **Modify Event**, Create User, and Modify User. The main form is for modifying an event. It includes fields for: Event ID (with a 'Load Event' button), Event title, Location ID (with a note: 'Input ID of the location. The ID should be corresponding to the IDs in Location list.'), Date/Time, Description, Presenter, and Price. At the bottom, there are 'Update' and 'Delete' buttons.

2. CRUD user data (username and password only) in the local database.
 - a. We will not test other features (e.g., comments) if deleting an existing user.




The screenshot shows the 'Culture Kaleidoscope' admin interface for user management. The navigation bar is the same as the previous screenshot. The sub-navigation bar has links: New Event, Modify Event, **Create User**, and Modify User. The main form is for creating a new user. It includes fields for: Username (with a 'Load User' button), New Username, Password, Role (with a dropdown menu showing 'Normal User'), and a 'Normal User' checkbox. At the bottom, there are 'Update' and 'Delete' buttons.

3. Log out as admin.

Non-user actions:

1. Log in as user with username and password.
2. Log in as admin using username and password.

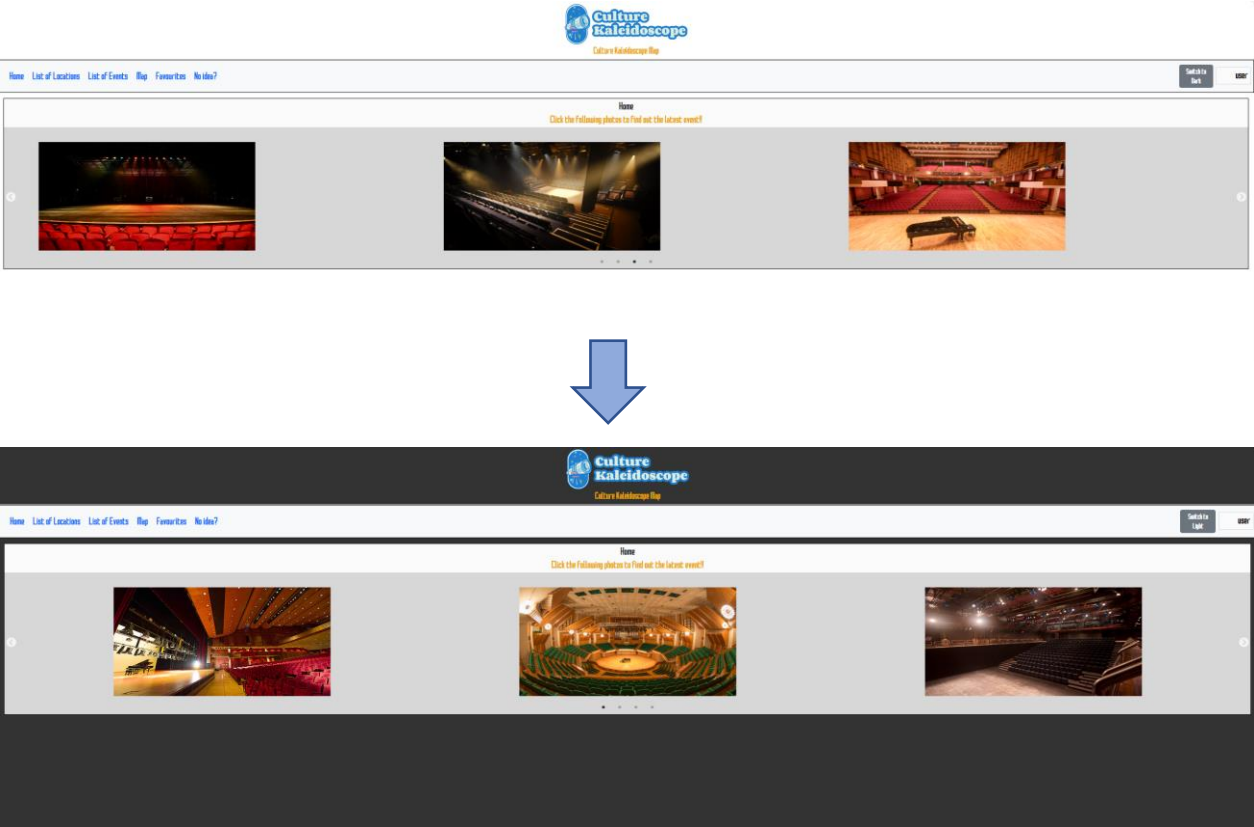


The screenshot shows the 'Culture Kaleidoscope' user login interface. At the top, there's a navigation bar with links: Home, List of Locations, List of Events, Map, Favorites, No idea?, and a 'Settings' button. On the right, there's a 'Login' button. The main content area is a login form with a blue header 'Login'. It includes fields for: Username (with 'user' entered), Password (with '-' entered), and a 'Login' button.

Extra features:

We provide two possible extra features here:

- 1. Adding a dark/light theme switch button.



- 2. Including a like button, similar Facebook, for users to interact with events.

| Event List | | | | | | | Find events with price under |
|------------|--|-----------|--|---|--|-------|------------------------------|
| ID | Title | Venue | Date/Time | Description | Presenter | Price | Like |
| 165550 | "Cheers" Series: "A Christmas Wish For Peace on Earth" by Hong Kong Gratitude Society | 501100119 | 15.12.2024 (Sat) 3:30pm | No description. | Presented by Hong Kong Gratitude Society | 380 | |
| 165562 | "Cheers" Series: "Grag and the Rainbow" by Windmill Theatre (Australia) | 363100236 | 28 Feb - 2 Mar 2025 | Windmill Theatre from Australia will return and present exquisite puppetry "Grag and the Rainbow" embarking a full of surprises and warm adventures. | Presented by Leisure and Cultural Services Department | 280 | |
| 165557 | "Cheers" Series: "Winter In Southglend 2024 - Smokey Dreams" | 363100236 | 3-5 Jan 2025 (Fri-Sat) | No description. | Presented by Make Friends with Puppet | 250 | |
| 165682 | "Cheers" Series: Papa in My Neph (Commence by Waiyung T (Rhythm Bump, Tempo) | 363100236 | 10 Jan 2025 (Fri) 7:30pm 11 Jan 2025 (Sat) 3:00pm 11 Jan 2025 (Sat) 7:30pm 12 Jan 2025 (Sat) 3:00pm | No description. | Presented by R57 (Rhythm B Temp) | 280 | |
| 165511 | "Gao Gao Zuo Ni Xing Musical" by Pop Theatre - Tuen Mun Town Hall Venue Partnership Scheme | 368100249 | 2024/12/02 (Sun) 11:45AM & 03:45PM, 2024/12/05 (Wed) 03:45PM, 2024/12/06 (Thu) 03:45PM, 2024/12/08 (Sat) 11:45AM & 03:45PM, 2024/12/09 (Sun) 11:45AM & 03:45PM | Please refer to Chinese version. | Presented by POP Theatre | 320 | |
| 161824 | "Princess Iron Fan" (4K Restored Version)- Chinese Film Panorama 2024 | 750100117 | 25 October 2024 (Fri) 7:30pm 9 November 2024 (Sat) 11:30am | If you want to know about Chinese animation, this is one of the key films to watch. After seeing Walt Disney's first animated features, Snow White and the Seven Dwarfs (1937), Chinese animation pioneers The Blue Brothers became determined to make China's very first feature-length animated film. Princess Iron Fan was completed with a crew less than two hundred. Without any technical support, the film took about three years to complete, but the result is incredibly exciting! Although the film is filled with traces of America's the Fleischer brothers, the Blues successfully explored and demonstrated the possibilities of Chinese animation. At the same time, the film also established Journey of the Beast as a main inspiration for many Chinese | Jointly presented by LESO, the Southern Film Culture Foundation, in association with SH-Metropole Organisation Ltd., China Film Foundation and South | 70 | |

It's not necessary to follow my suggestions above. Feel free to design any appropriate feature for your website.