Development of Spatial Decision Support System for Hotel Location in Malaysia

(Building an interactive map with Google Maps Platform and React - Crash Course)

Reference: https://www.youtube.com/watch?v=2po9_CIRW7I

Duration: 5 weeks

Scope of works:

Task 1: Extract hotel location from website

    a. https://www.motac.gov.my/semakan/hotel-daftar

Task 2: Extract homestay location from pdf

    b. https://www.motac.gov.my/program/pelancongan/homestay
    (refer Direktori Homestay)

Task 3: Create hotel and homestay database for Malaysia with the following data:

    c. Name
    d. Full Address (street, region, street etc)
    e. Longitude
    f. Latitude

Task 4: Develop spatial DSS using Google Map for spatial visualisation

    g. Develop a system architecture that integrates the hotel database with the Google Maps API for spatial visualization
    h. Implement features allowing users to interact with the map, view hotel locations, and overlay additional data, such as rainfall information map etc.

Task 5: To plot business related to tourism based on Google Maps data

    i. Photography
    j. Travel & Tours Company
    k. Food and Beverages (Cafe, restaurant etc)
    l. Bed and Breakfast
    m. Rental Service (Car, Bike, taxi etc)
    n. Souveniour Shop
    o. Taxi Business

Workplan

Activitity	Week 1	Week 2	Week 3	Week 4	Week 5
Task 1					
Task 2					
Task 3					
Task 4					
Task 5					Testing