

HELLO SUMMER

GIS Application Development - Mark Israel
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Background

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HelloSummer is an interactive GIS-powered web app that helps users find beaches in Israel. Whether you're looking for nearby shores, segregated beaches, or public transport accessibility, HelloSummer has you covered!

Features

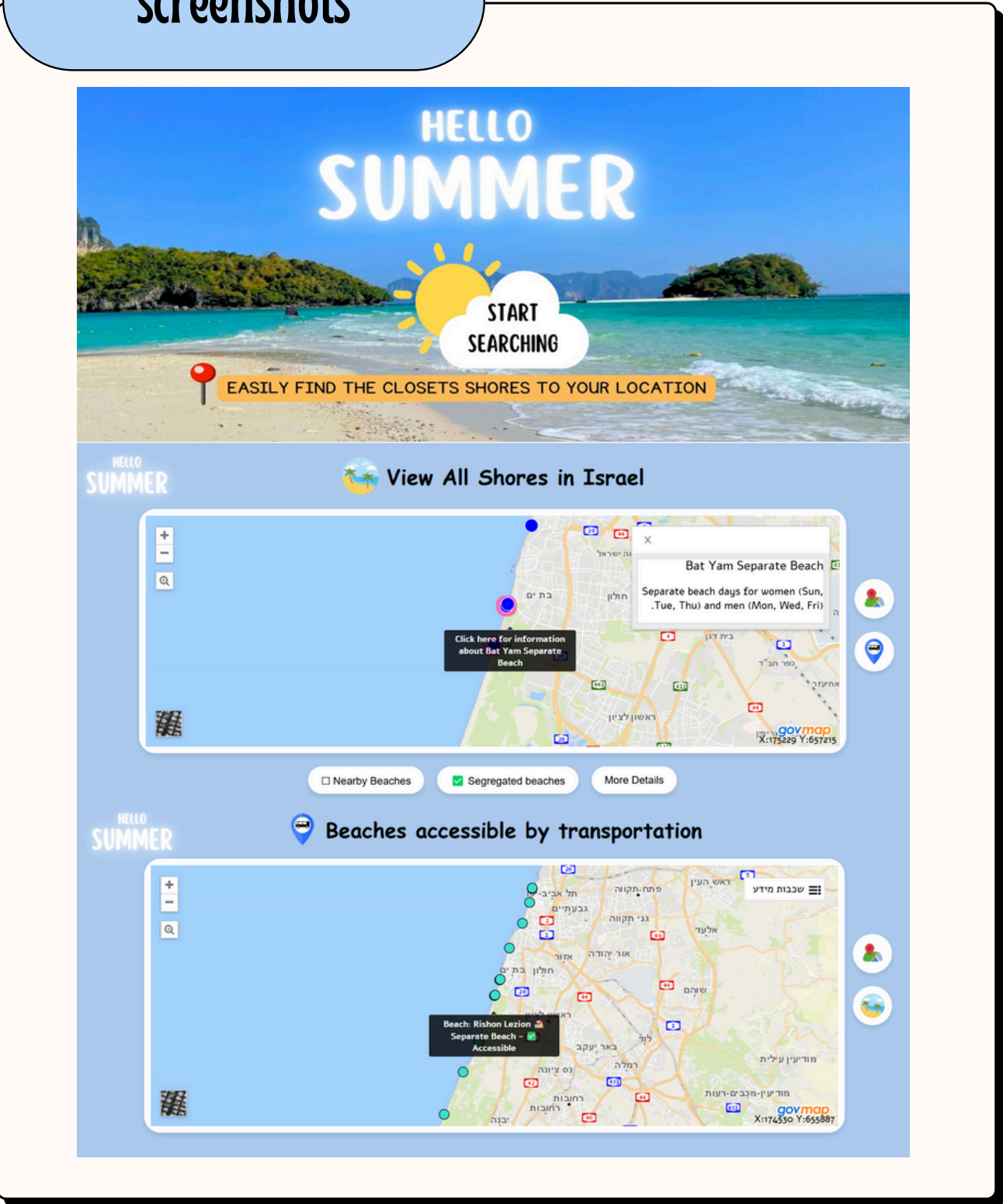
- ## Features
- ❖ Find Beaches Easily – Browse all beaches in Israel
 - ❖ View Your Location – See your current position on the map
 - ❖ Public Transport Accessibility – Check if a beach is reachable by bus
 - ❖ Quick & User-Friendly – Intuitive interface with search functionality
 - ❖ GIS Integration – Real-time map with accurate coordinates

Geolocation & Coordinate Conversion

- HelloSummer detects the user's current location using the HTML5 Geolocation API.

- To ensure accurate positioning, HelloSummer uses Proj4.js to transform coordinates from WGS84 (global) to EPSG:2039 (Israeli grid system). This ensures precise beach locations on the map.

screenshots



Quick Guide

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- ✔ Step 1: Open the app and start searching
 - ✔ Step 2: Choose between "My Location," "Accessible Beaches," or "All Shores"
 - ✔ Step 3: View detailed maps and beach accessibility
 - ✔ Step 4: Click for more details & find the best option for you

Data Sources

- ## Data Sources

 - ◆ GovMap Website - govmap.gov.il
 - ◆ GovMap API - api.govmap.gov.il
 - ◆ Bus Stop Data - data.gov.il