HERO.JS: A SIMPLE AND FLEXIBLE JAVASCRIPT LIBRARY FOR LOCAL STORAGE, GEO-LOCATION AND CACHING

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Hero.js is a Javascript Library built to provide Local or Offline Storage, Geo-location and caching functionality to web pages.

It makes use of HTML5 localStorage, geolocation and cache objects to provide offline storage and information related to the location of the device accessing the web page.

The motivation behind the project is to fill the gap in the implementation of Single-Page Web Applications by providing an interface for the HTML5 localStorage object and to provide a simple mechanism to retrieve meaningful information related to the user’s location.

A single-page application (SPA), also known as single-page interface (SPI), is a web application or web site that fits on a single web page with the goal of providing a more fluid user experience akin to a desktop application.

In a SPA, either all necessary code – HTML, JavaScript, and CSS – is retrieved with a single page load or the appropriate resources are dynamically loaded and added to the page as necessary, usually in response to user actions.