**Hoya News Project (100% Mobile Responsive)**

**Objective:** This application aims to give you the latest news across different topics from the most reliable news sources.

**JavaScript Application:** The website application is a pure JavaScript application with the following features

**Product Features**

**NEWS API**

* We have used the API provided by NewsAPI.org
* All API calls require authentication using Client ID and API Passkey.
* We have used 3 different API’s to build our application

1. **Top News API**
   * Delivers top news from around USA
2. **Category News API** 
   * Delivers news based on category provided. We have four main categories – Business – Sports – Technology & Entertainment. News from each category needs a separate API call.
3. **Search API** 
   * This API retrieves news based on keyword. The results have been limited to 1-year old news.

**SIGN IN & SIGN UP**

1. **Database Used – Google Sheets API**
   * Google Sheets API. We have used Google Sheets as a database for storing user credentials. This sheet contains username and passwords stored in them.
   * Only authorized users get access to the news application. The idea behind this is to make sure only Hoya members have access to this application.
2. **Input Validation**
   * A combination of HTML and CSS has been used to validate input. To alert the user on whether the input is in email format.
3. **Sign Up (Not Implemented)**
   * Unfortunately, Google sheets API does not let us write to Google sheets without OAuth 2.0 authorization. We have tried to implement the authorization but Google requires the application to be verified on their end. Hence, the sign-up functionality does not work. We have predefined usernames and passwords in the Google sheet. This has been inputted manually.

**HTML & CSS**

* We have multiple UI elements that have been used for building the application
* We have used CSS bootstrap to style and control properties of HTML elements

1. News Grid
   * It was critical that the reading experience was seamless for users. A lot of effort was put in to make sure that the grid layout was carefully crafted.
   * The grid structure that displays news is 100% responsive.
2. Nav Bar (Responsive & Sticky)
   * Navigation within the application needed to be seamless for users.
   * The Nav Bar is 100% responsive and sticky.
   * When users scroll to the bottom of the page the Navbar remains fixed for easy access.
   * When displayed on Mobile devices, a hamburger menu replaces the traditional navigation header.