**Que1) can you outline the module present in your project**

1. **HTML Structure (index.html)**:
   * Defines the layout and structure of the webpage.
   * Includes navigation elements, main content area, and template for news cards.
2. **CSS Styles (style.css)**:
   * Contains styling rules to define the visual appearance of the webpage.
   * Styles various components such as navigation, cards, input fields, buttons, etc.
3. **JavaScript Logic (script.js)**:
   * Implements the dynamic behavior of the webpage.
   * Handles user interactions like navigation clicks and search button clicks.
   * Fetches news data from the NewsAPI based on user actions and updates the DOM accordingly.
4. **NewsAPI Integration**:
   * Utilizes the NewsAPI to fetch news articles based on categories or search queries.
   * Integrates the fetched data into the webpage to display news cards.
5. **Template for News Cards**:
   * Uses HTML **<template>** tag to define a template for news cards.
   * Dynamically populates the template with fetched news data to create individual news cards.
6. **Event Handlers**:
   * Defines event handlers for various user interactions such as clicking on navigation links or the search button.

**Que 2) what type of users were involved in your project**

1. **General Audience**: Individuals looking for news updates on various topics such as crime, finance, politics, entertainment, and sports.
2. **Readers**: People who want to read news articles, stay informed about current events, and explore different categories of news.
3. **Online News Consumers**: Users who prefer to consume news content online rather than through traditional print media.
4. **Web Users**: Individuals who browse the internet and visit websites to access information and news.
5. **Search Users**: Users who may utilize the search feature to find specific news articles based on keywords or topics of interest.
6. **Navigation Users**: Those who navigate through different sections of the website using the navigation menu to explore news categories.

Overall, the project aims to provide a user-friendly interface for accessing and reading news articles across various categories, catering to a diverse audience interested in staying informed about current affairs.

**Que 3) How many types of table are present in project**

Based on the provided HTML code, there are no tables present in the project. The project primarily consists of navigation elements (**<nav>**), main content area (**<main>**), cards for displaying news articles (**<div class="card">**), and input elements for searching news (**<input>** and **<button>**).

Therefore, there are no types of tables present in the project

**Que 4) you have created backend or web page based application**

Based on the provided code, it appears to be a web page-based application. The application retrieves news articles from an API (NewsAPI) based on user interactions such as selecting categories (crime, finance, politics, etc.) or searching for specific topics. The retrieved articles are then displayed dynamically on the web page using JavaScript.

While the code interacts with an API (NewsAPI) to fetch data, it does not include any server-side logic or backend code. Therefore, it's more accurate to classify this as a client-side web application. The backend functionality, in this case, is handled by the NewsAPI, and the frontend code (HTML, CSS, JavaScript) is responsible for presenting the data to users and handling user interactions.

**Que 5) how many REST API / Test casses did you develop**

From the provided HTML and JavaScript code, it seems that there are no REST API endpoints or test cases explicitly developed within this code snippet. This code primarily focuses on creating a frontend interface for displaying news articles fetched from the NewsAPI.

To develop REST API endpoints, you would typically need a backend server that handles incoming HTTP requests and provides appropriate responses. This code, however, is purely client-side and interacts with the NewsAPI directly from the client's browser.

Similarly, for test cases, they would typically be written in a testing framework such as Jest, Mocha, or Jasmine. Test cases help ensure that your code behaves as expected under different scenarios. Since there are no explicit test cases provided in the code snippet, it's unclear how many test cases have been developed. Test cases would depend on the specific requirements and functionality of the application.

If you're looking to develop REST API endpoints or test cases, you would typically do so in a backend server environment using a server-side programming language such as Node.js, Python, Java, etc., and then write tests accordingly.

Que 6)