

# **Mobile Application Development**

## **Country, News & Weather App**

### **Innovation**

#### **ATU Galway-Mayo**

#### **H.Dip in Software Development**

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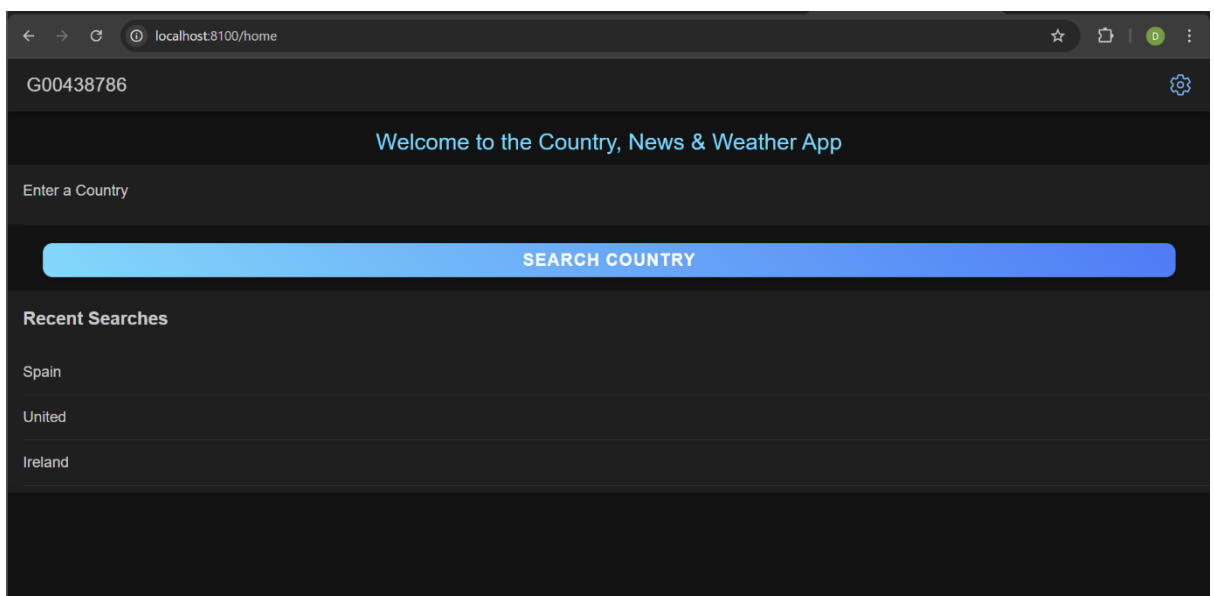
**Student Number: G00438786**

### **Innovation in the Country, News & Weather App**

This document outlines the innovative features added to the Country, News & Weather App.

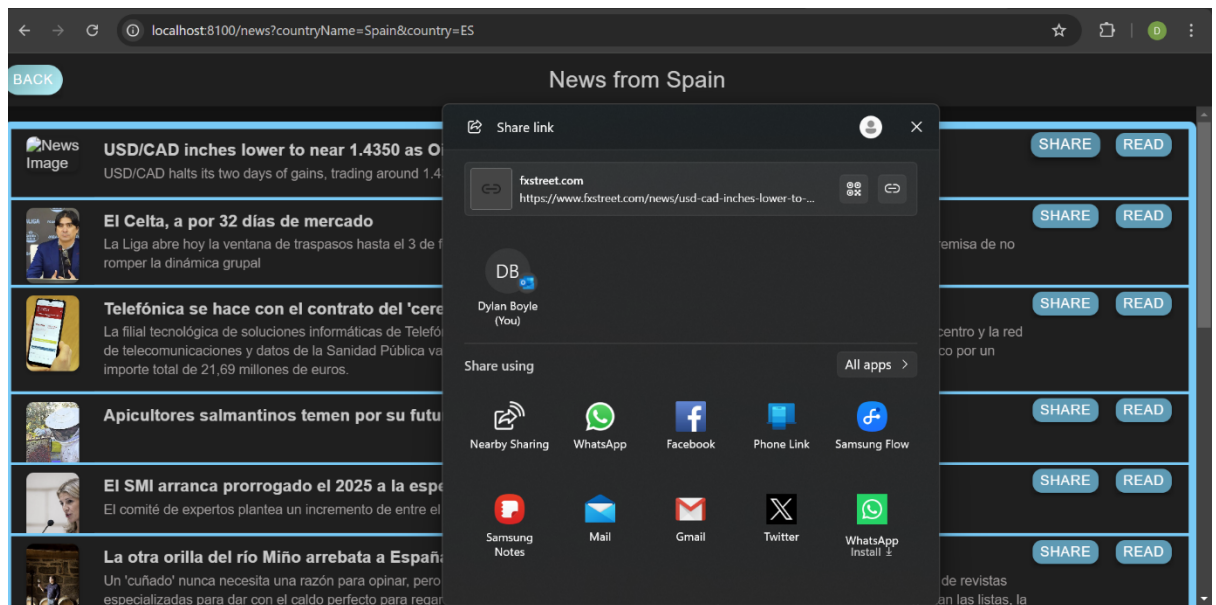
#### **1. Recent Searches Feature**

Implemented a 'Recent Searches' feature on the home page to enhance usability and improve user experience. It displays a list of the most recent countries searched by user. Save searches locally using Ionic Storage to maintain persistence across the app sessions. Allows users to quickly revisit their searched countries by clicking on a country from the list. It improves convenience for users who frequently search for the same countries, saving time and effort.



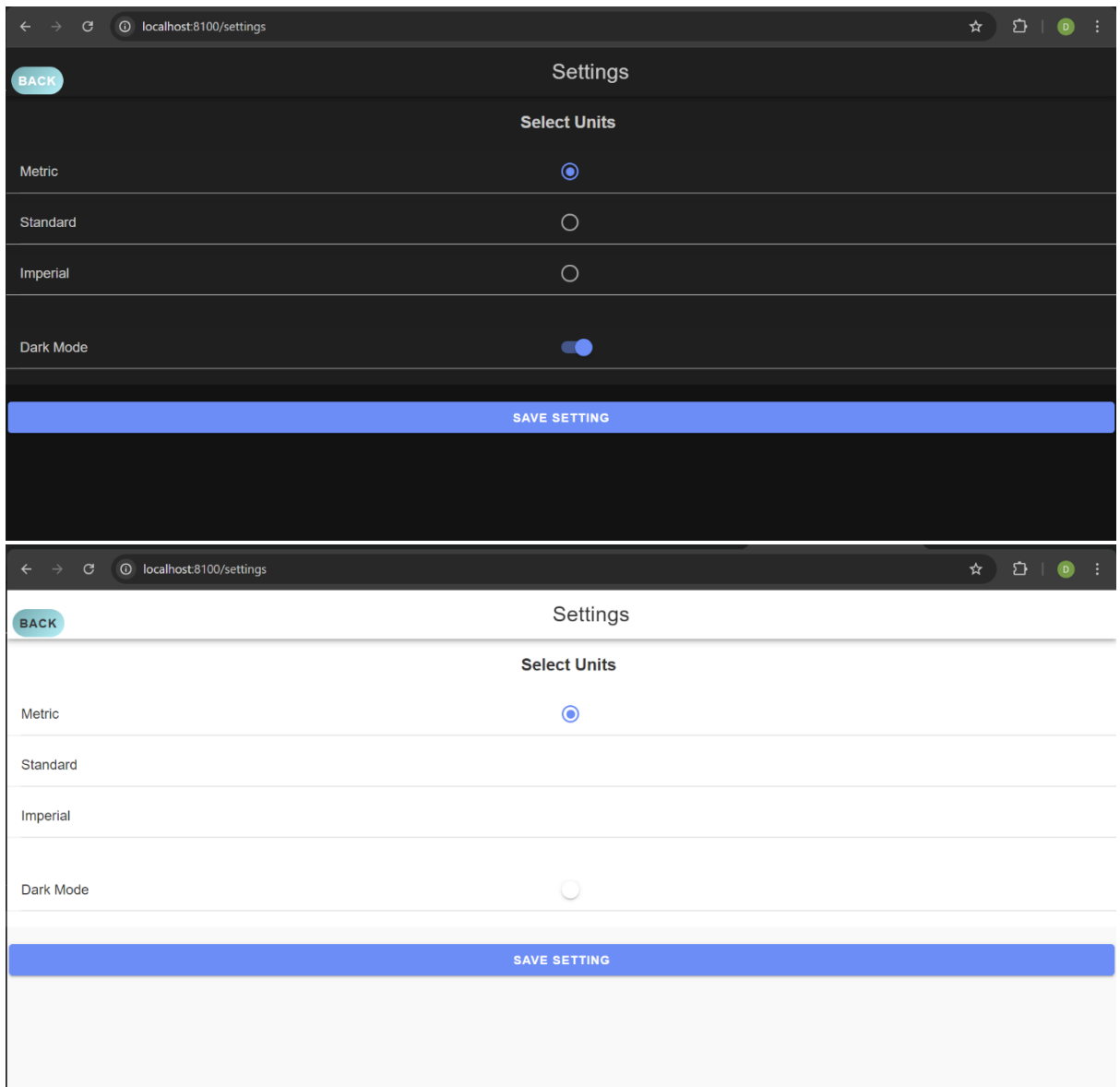
## 2. Share Button

Added a share button feature to the news page, enabling users to share content with others. It allows users to share news articles directly via supported platform (e.g., email, messaging apps, social media). Uses the Ionic Capacitor Share plugin for seamless integration with device-native sharing options. It enhances the app's engagement by allowing users to share interesting or important information directly from the app.



## 3. Dark/Light Mode

Added a Dark/Light Mode toggle in the setting page. It provides users with a choice between Light and Dark themes, catering to user preferences and improving usability in low-light environments. The selected theme is saved persistently using Ionic Storage, ensuring the app remembers the user's choice even after the closing. It improves accessibility, comfort, and aesthetic appeal, particularly for users who prefer darker or lighter interfaces.



#### 4. **Modern UI Enhancements**

Enhanced the app's user interface with modern design elements, by using gradients, box shadows, hover effects, and animations to create a visually appealing and responsive experience. Improved button designs, list styling, and content layout for better readability and navigation. This provides a polished, professional look and feel to the application, ensuring it stands out and deliver a high-quality user experience.