

Travel Journal App

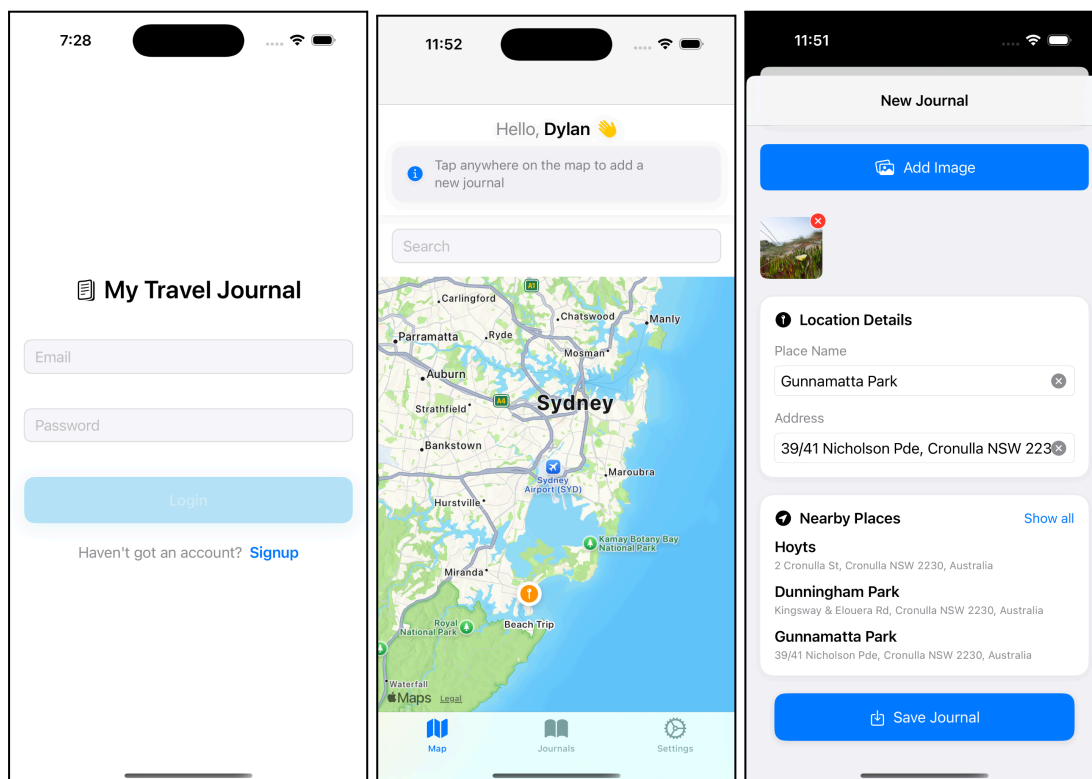
Travel Journal App is a digital journaling app designed for capturing your adventures. After signing up or logging in, you can explore an interactive map to pin your journal entries by adding titles, descriptions, and images. The app offers automatic address suggestions and allows you to manage your entries with sorting and filtering options. With both local and cloud storage, your memories are safe, and you can even start journaling directly from your photos.

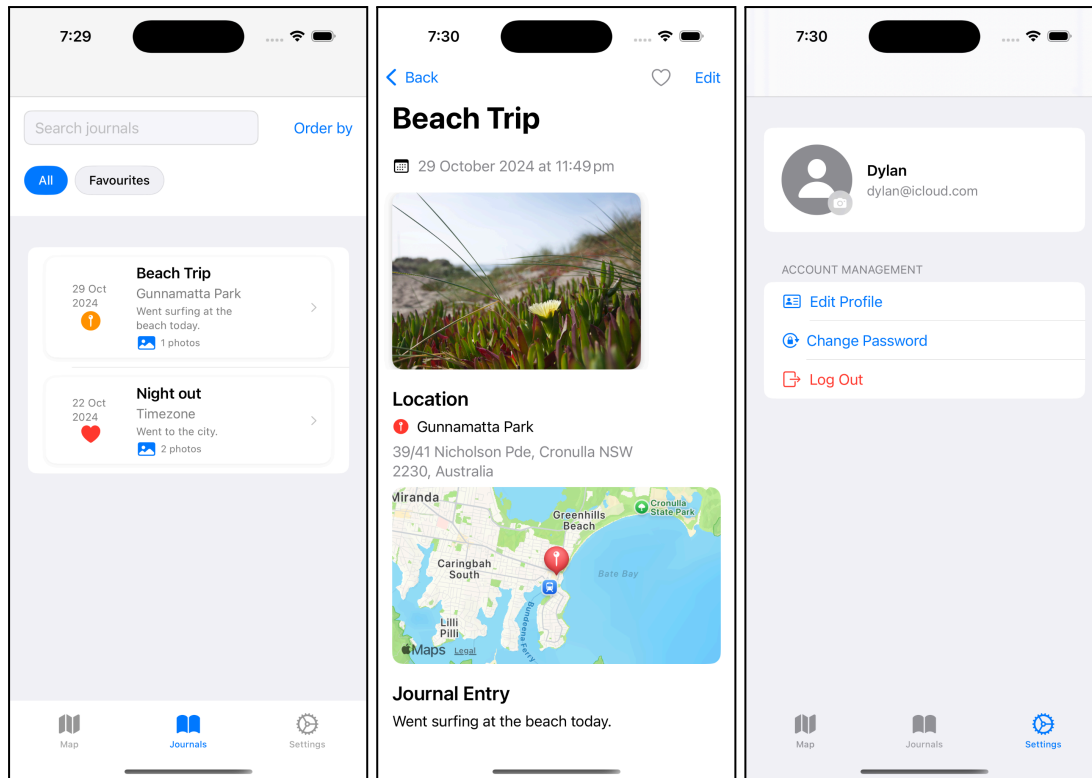
Login Credentials

To test out the app you can use the following login credentials:

- Email: dylan@icloud.com
- Password: password123

Screenshots





Features and Functionalities

- **User Account Management:** Upon opening the app, users can easily sign up for a new account or sign in to their existing account.
- **Map Navigation:** Users can navigate an interactive map to add new journals and view their current enTraveltries pinned on the map.
- **Journal Entry Creation:** By tapping on a location on the map, users can begin writing a journal entry. They can enter a title, a detailed description, and add multiple images to capture their experiences.
- **Address Autofill:** The app automatically suggests nearby addresses based on the selected location, streamlining the journaling process.
- **Pinned Journal Entries:** Once saved, users can view their journal entries pinned directly on the map, making it easy to see where their adventures took place.
- **Journal List View:** Users can navigate to a dedicated journals screen to view all their entries in a convenient list format, allowing for easy access and management.
- **Sorting and Filtering:** The app provides sorting and filtering options for the journal list, enabling users to find specific entries quickly based on various criteria.
- **Entry Editing:** Users can tap on any journal entry to edit its content, ensuring they can always update their stories and memories.
- **Local and Cloud Storage:** The app saves journal entries and images both locally on the device and in the cloud, ensuring that users' memories are always backed up and accessible.
- **Journal from Photos:** Users can start journaling right from the photos application to make writing journal entries even easier.

User Instructions

1. Upon launching the app, users are greeted with the option to sign up for a new account or log in to their existing account.
2. Once logged in, users can explore the interactive map to discover various locations.
3. By tapping on the map, users can initiate a journal entry, where they can input:
 - A title
 - A detailed description
 - Multiple images
4. The app conveniently autofills the address based on nearby locations.
5. After saving their entries, users will see their journal entries pinned on the map for easy reference.
6. Users can navigate to the journals screen to view all their entries in a list format, with sorting and filtering options for efficient organisation.
7. Additionally, users can tap on any journal entry to edit its content as needed.

Technical Details

- SwiftUI serves as the foundational framework for building the app's user interface.
- SwiftData is utilised for data persistence, managing the storage and retrieval of journal entries.
- MapKit is used to integrate interactive maps and location-based functionalities (Map display, place searching and nearby places) within the app.
- PhotosUI facilitates the selection and management of images within the app.
- Firebase Storage stores and manages the images associated with users' journal entries.
- Firebase Authentication manages user authentication and security within the app.

System Extensions

- **Share Extension:** Users can tap the share icon within the photos app to start journaling and save it to the app.