# WeTravel - Release Notes and User Manual

Group D3; May 9, 2024

Version: 1.0

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# Contents

# 1   Version History

| Version | Date | Authors | Key Changes |
|---------|------|---------|-------------|
| 0.1 | Apr 6, 2025 | All members | Added core schemas, CRUD routes for collections, and dummy data seeders. |
| 0.2 | Apr 20, 2025 | All members | Built React UI for posts/feed, integrated authentication, pagination, license endpoint. |
| 1.0 | May 9, 2025 | All members | Fixed dummy data types, updated AI prompt logic, extended seeders, added front-end APIs. |

# 2   Release Notes

## 2.1   Version Overview

- Version: **1.0.0**
- Date: May 9, 2025
- Scope: Initial full integration of AI recommendation, post/trip creation, and social features.

## 2.2   New Features

- AI-driven itinerary generation via `POST /api/recommendations`.
- Integrated trip-post-group creation in one endpoint `POST /api/posts`.
- Image upload support with size/type validation.
- Social interactions: like, comment, and join-trip flows.

## 2.3   Enhancements

- Filter posts by location, budget, keyword, and likedBy parameters.
- Improved error messages for missing or invalid fields.
- Added license key validation endpoint: `GET /api/licenses/key/{key}`.

## 2.4   Bug Fixes

- Fixed ObjectId parsing errors in seeder endpoints.
- Resolved CORS header omission on authentication routes.
- Corrected date formatting issues in dummy data seeders.

## 2.5   Known Issues & Workarounds

- Seeder may skip invalid IDs; verify dummy JSON before running `/api/init-data`.

- Front-end dev server on port 5173 must be restarted after backend schema changes.

# 3   User Manual

## 3.1   Software Overview

WeTravel is a responsive web application that helps you plan, share, and discover group trips. After logging in, you can browse other users' trip posts, create your own trip (with an associated group and itinerary), interact socially by liking or commenting, generate AI-driven travel recommendations, and track shared expenses—all within a single web.

## 3.2   System Requirements

- A modern browser (Chrome, Firefox, Edge, or Safari) on Windows or Linux to start the server.
- Reliable internet connection.
- Screen resolution of at least 1024×768 (mobile friendly).

## 3.3   Getting Started

**Installation Steps:**

1. **Access the repository**
   - Open your browser and visit <https://github.com/hyans524/CSCI3100>
   - Clone or download the repository
2. **Open the project**
   - In your terminal or WSL, navigate into the project folder
3. **Start servers**
   - Run `./start-servers.bat`
   - This installs dependencies and launches both backend and frontend automatically
4. **Open the application**
   - In your browser, go to <http://localhost:5173>

**Account Registration:**

1. Click **Sign Up** in the top navigation.
2. Enter your *Username* and *Password*.
3. Press **Submit**. You are already logged in.

**Logging In:**

1. Enter your registered *Username* and *Password*.
2. Click **Log In**. Upon success, you land on Home and your session token is stored.

## 3.4  Navigation

The persistent top bar lets you move between features:

- **Home** – See the latest public trip posts and quick search.
- **Browse** – Apply filters to find trips by location, budget, or keywords.
- **AI Recommendation** – Generate personalized itineraries with one click.
- **My Trips** – View trips you created or joined, and manage them.
- **+ (Add)** – Start a new trip post.
- **Profile / Logout** – Access account settings or sign out.

## 3.5  Home Page

Upon login, the Home page displays featured and recent trip posts:

- Each post card shows the destination, date range, budget, and a preview image.
- Use the top search bar to enter keywords or click suggested destinations.
- Click a post card to open its detailed view, where you can interact with it.

## 3.6  Create a Trip Post

**Accessing the Form:**  Click the **+** icon in the navigation to open the "Add Your Journey" modal.

**Filling Out Details:**

- **Destination:** Type in the city/country (autocomplete helps).
- **Description:** Brief text summary of your trip plans.
- **Travel Dates:** Use the calendar picker for start and end.
- **Budget Range:** Drag the slider to set your per-person budget.
- **Activities:** List preferred activities separated by commas.
- **Image:** Upload a representative photo (JPEG/PNG, smaller than 5 MB).

**Submitting:**  Click **Submit Trip**. The system creates a Group and Trip behind the scenes, then your Post appears in the feed.

## 3.7  Browse & Filter Posts

1. Navigate to **Browse**.
2. Enter one or more filter criteria in the panel:
   - *Location* dropdown or text input.
   - *Budget* slider.
   - *Keyword* search field.
   - *Liked By:* filter by user ID.

3. Click **Apply Filters** Matching posts refresh instantly.

## 3.8   Interact with a Post

Once you've opened a post's detail view:

- Click the like icon to like or unlike.
- Type in the comment box and press **Enter** to post a comment.
- Select **Join Trip** to request membership; approval is automatic.

## 3.9   AI Travel Recommendation

**Accessing Recommendations**    Click **AI Recommendation** in the navigation.

**Providing Preferences**

- **Destination**: e.g. "Paris, France".
- **Duration**: slide to set days (1–14).
- **Budget**: slide to set HKD amount.
- **Activities**: enter interests (e.g. "museums, food tours").

**Generate:**    Click **Generate Recommendations** An activity/destination list appears below for you to review.

## 3.10   My Trips Dashboard

- The **My Trips** page shows tabs: *All*, *Upcoming*, *Completed.*
- Each trip card shows summary information (dates, destination, participants).
- Click **View Details** on a card to:
  - Edit trip details (if you belong to this group).
  - Manage group members and send messages.
  - Track expenses: add, edit, or delete cost entries.