

Travel Planner Management System

By:

Alina, Alliah Mae M.

A Project Report

Submitted in Partial Fulfillment of the Requirements
for Information Management and Web Development
in the Degree of Bachelor of Science in Computer Science

In the Faculty of College of Computer Studies

At Kolehiyo ng Lungsod ng Lipa

Marawoy Lipa City

January 9, 2026

Supervised by Ms. Arlyn de Villa

Information Management and Web Development

Instructor



Kolehiyo ng Lungsod ng Lipa

(Formerly Lipa City Public College)

Marawoy, Lipa City, Batangas 4217

Tel. No. (043) 774 2420



College of
**COMPUTER
STUDIES**

Introduction

A travel planner is a highly organized tool designed to assist you in the intricacies of planning your journeys. Specifically, when you have a comprehensive plan to depart from your current location or venture out of town, the planner maintains detailed logs of your intended travel schedules, ensuring that you have a record of your plans at hand. Conversely, if you happen to overlook or miss a planned trip, the system efficiently deletes that entry from your records, keeping your itinerary current and free from clutter.

Furthermore, after you have embarked on your journey and returned from your travels, it becomes essential for you to upload tangible proof or captivating pictures that document the places you have visited, allowing you to not only preserve memories but also share your experiences with others in a visually engaging way.

Technologies Used

Front-End

- ❖ HTML5
- ❖ CSS3
- ❖ Vanilla JavaScript

Back-End

- ❖ PHP
- ❖ PDO (PHP Data Objects)

Database Management

- ❖ MySQL

Development Tools

- ❖ XAMPP Server
- ❖ phpMyAdmin
- ❖ Visual Studio Code



Kolehiyo ng Lungsod ng Lipa

(Formerly Lipa City Public College)

Marawoy, Lipa City, Batangas 4217

Tel. No. (043) 774 2420



College of
**COMPUTER
STUDIES**

Database Design

The database schema follows a normalized 3-table structure to ensure data integrity and efficient management of items and archives.

Entity-Relationship Diagram

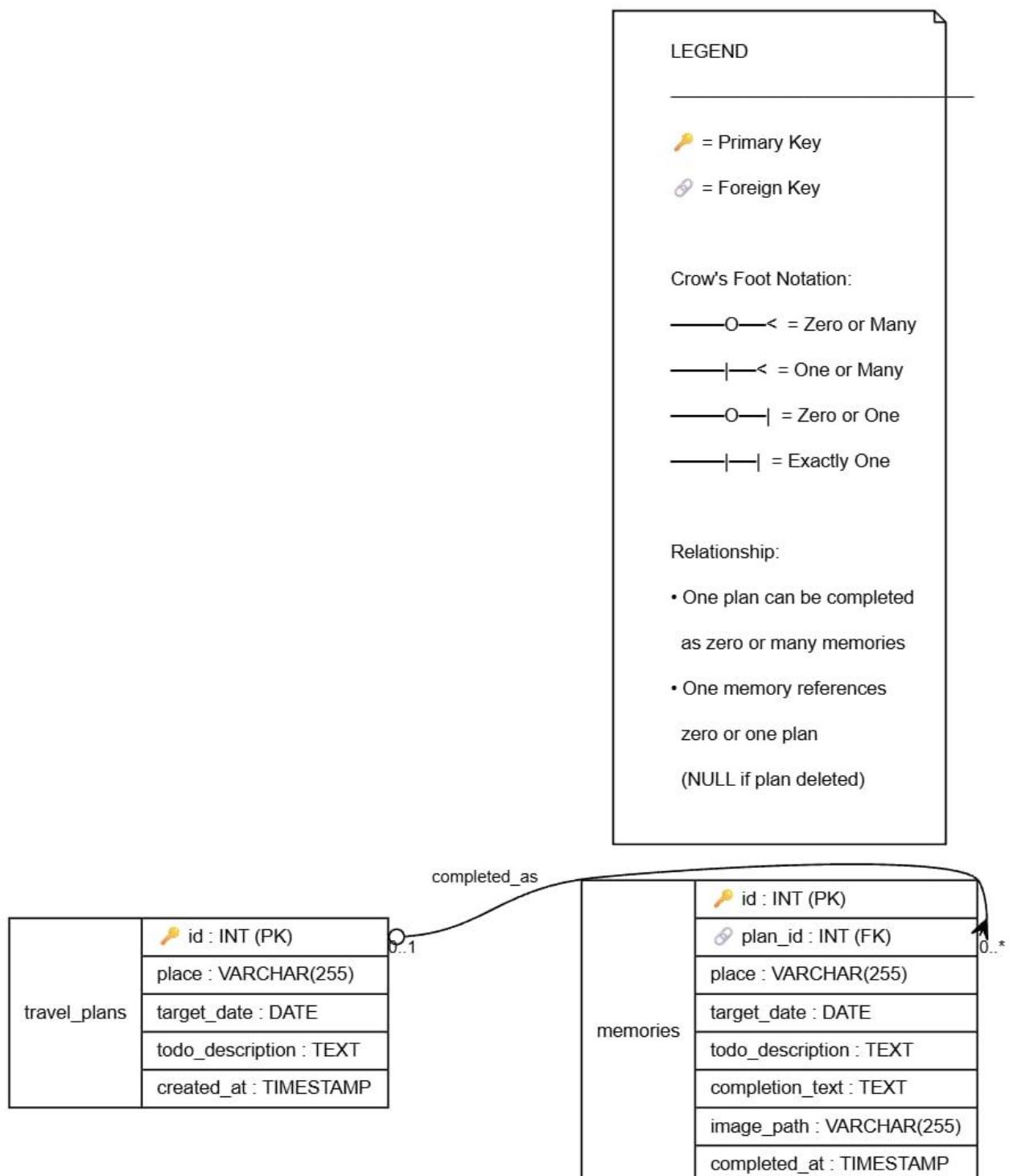


Figure 1 : ER diagram showing the relationship and cardinality using crow's foot notation



Kolehiyo ng Lungsod ng Lipa

(Formerly Lipa City Public College)

Marawoy, Lipa City, Batangas 4217

Tel. No. (043) 774 2420



College of
**COMPUTER
STUDIES**

Table	Description	Key Columns
Travel plans	Inserts your plans and where you want go	Id(PK), place, target_date, todo_desription, created_at
Memories	Stores the images of the places you went and a optional description	id(PK), plan_id (FK), place, target_date, todo_desription, completion_text, image_path, completed_at

Web Interface

The initial webpage

Travel Planner

Let's explore!

Add New Adventure

Destination

Where are we going?

Target Date

dd/mm/yyyy

To-Do Description

What will we do there?

Add Plan

My Plans

Memories

Figure 2 : GUI of the initial webpage



Kolehiyo ng Lungsod ng Lipa

(Formerly Lipa City Public College)

Marawoy, Lipa City, Batangas 4217

Tel. No. (043) 774 2420



College of
**COMPUTER
STUDIES**

Posting Form: A dynamic interface that allows users to upload a destination, target date, description.

Travel Planner

Let's explore!

Add New Adventure

Destination: japan

Target Date: 09/02/2026

To-Do Description: mag Jajapan

Add Plan

My Plans Memories

Figure 3 : GUI of the posting form

Upcoming adventures Panel: A real-time list of the plans you'll make in certain date.

Where are we going?

Target Date: dd/mm/yyyy

To-Do Description: What will we do there?

Add Plan

My Plans Memories

Upcoming Adventures

japan
February 9, 2026
mag Jajapan

✓ Done Edit
Delete

Figure 4 : GUI of the Upcoming adventures Panel list



Kolehiyo ng Lungsod ng Lipa

(Formerly Lipa City Public College)

Marawoy, Lipa City, Batangas 4217

Tel. No. (043) 774 2420



College of
**COMPUTER
STUDIES**

Adventure completed system: A modal pop-up that upload images and experience after the trip.

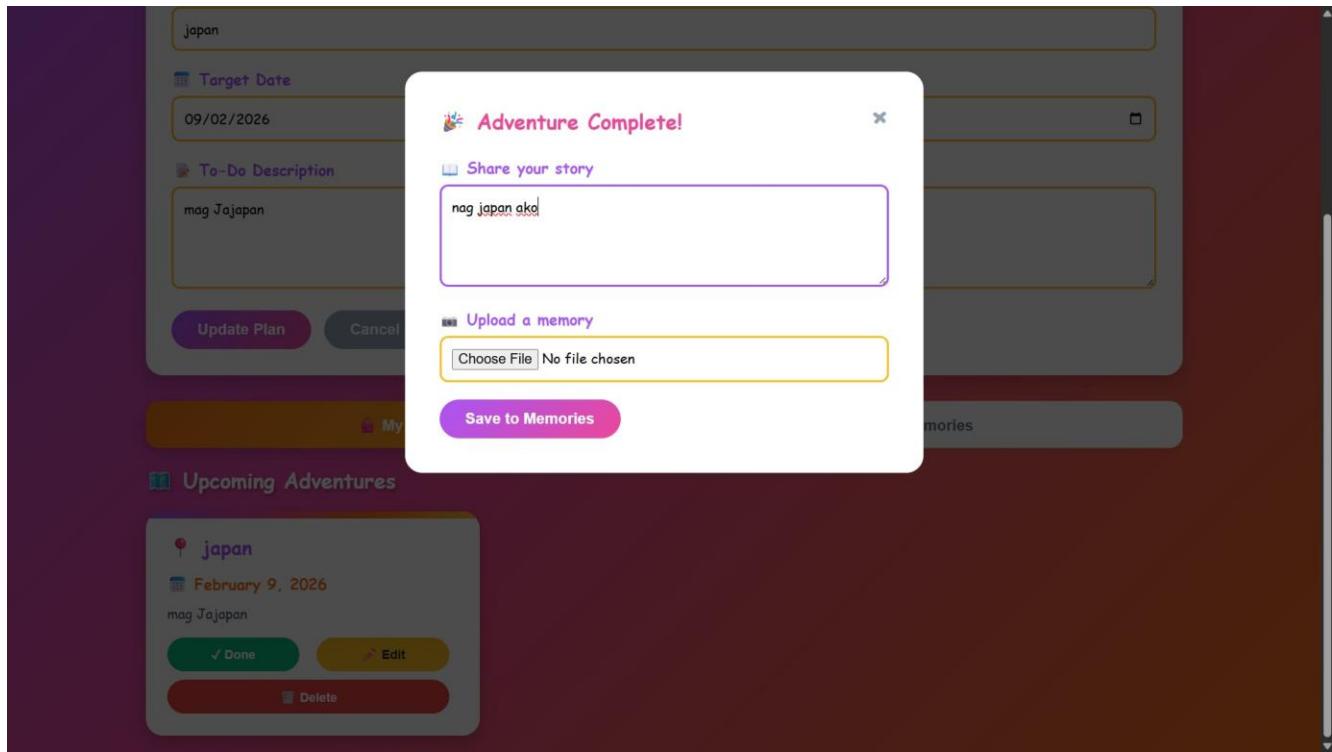


Figure 5: GUI of the claim popup modal



Kolehiyo ng Lungsod ng Lipa

(Formerly Lipa City Public College)

Marawoy, Lipa City, Batangas 4217

Tel. No. (043) 774 2420



College of
**COMPUTER
STUDIES**

Archive: A list where all memories are stored, showing the history and images of where you went or what you did and when.

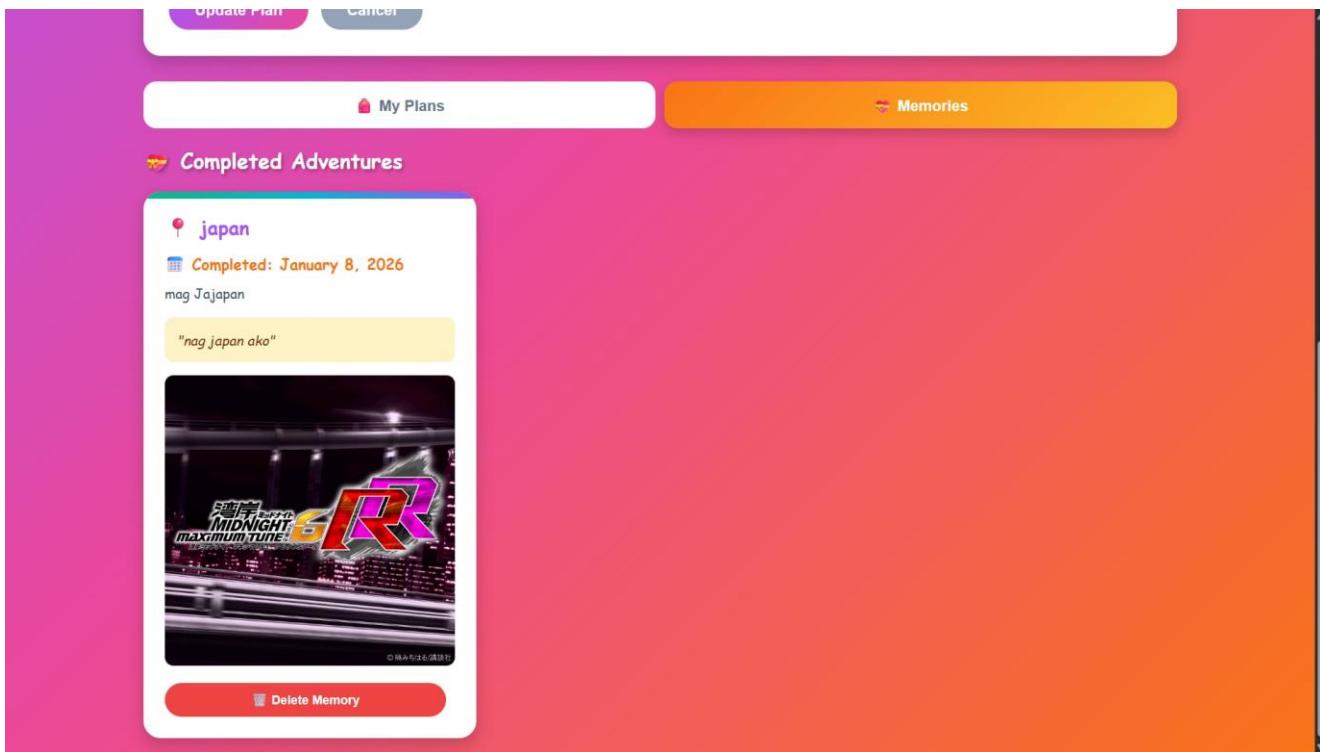


Figure 6 : GUI of the archived memories panel



Kolehiyo ng Lungsod ng Lipa

(Formerly Lipa City Public College)

Marawoy, Lipa City, Batangas 4217

Tel. No. (043) 774 2420



College of
**COMPUTER
STUDIES**

Mobile View Compatibility: The webpage changes the structural layout when viewed in a much smaller screen.



Travel Planner

Let's explore!



Add New Adventure



Destination

Where are we going?



Target Date

dd/mm/yyyy



To-Do Description

What will we do there?

Add Plan

Figure 7 : GUI of the mobile view



Kolehiyo ng Lungsod ng Lipa

(Formerly Lipa City Public College)

Marawoy, Lipa City, Batangas 4217

Tel. No. (043) 774 2420



College of
**COMPUTER
STUDIES**

Challenges and Learning

1. Technical Challenges

- **Dynamic Data Management:** Implementing logic to automatically identify and remove "missed" trips by comparing real-time system dates against database timestamps.
- **Secure File Handling:** Managing image uploads, including file validation (size/type), preventing naming conflicts, and linking file paths to specific database records.
- **Database Security:** Transitioning from standard queries to **PDO Prepared Statements** to protect the application against SQL Injection.
- **State Persistence:** Ensuring the UI stays synchronized with the backend, especially when entries are automatically deleted or updated with "tangible proof."

2. Key Learnings

- **Full-Stack Integration:** Gained a practical understanding of the **Request-Response cycle**, connecting a Vanilla JS frontend to a PHP/MySQL backend via XAMPP.
- **CRUD Lifecycle:** Mastered the full data lifecycle: **Creating** itineraries, **Reading/Displaying** schedules, **Updating** records with photos, and **Deleting** expired entries.
- **Automated Logic:** Developed "clean-up" scripts that maintain a clutter-free database without requiring manual user intervention.
- **Environment Management:** Learned to manage a local development environment using **phpMyAdmin** for schema design and **VS Code** for full-stack debugging.