

# CPSC 304 Project Cover Page

Milestone #: 1

Date: **Oct. 5, 2023**

Group Number: **14**

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

## CPSC 304: Milestone 1 (Group 14)

### Tourism Planning Application

#### PROJECT DESCRIPTION

The domain of our application is in travel and tourism management, aiming to serve as a cohesive platform that enriches travel planning for its users. Specifically, our application seeks to empower users with information and tools for crafting, sharing, and exploring travel itineraries, attractions, and user-generated content, including reviews and photos. Our database primarily models crucial elements for efficient travel planning and community engagement, such as *Users*, *Itineraries*, *Reviews*, *PhotoReviews*, *Destinations*, *Attractions*, *Photos*, *Languages*, and *Dialects*.

For example, suppose a user is planning a trip to Kyoto, Japan. They can utilize the application to explore attractions in Kyoto, read reviews from other travelers, understand the local dialects, create a personalized itinerary, and even share their experiences and photos upon returning from their trip. This social approach enables travelers to not only effectively plan their adventures but also actively contribute to and benefit from the travel community built around the application.

#### DATABASE SPECIFICATIONS

The database is designed to facilitate user travel planning, offering insights into various *Destinations*, like cities in Japan, with details on *Languages* and *Dialects* spoken. *Users* can craft personalized *Itineraries*, incorporating selected *Attractions* detailed with descriptions, *Reviews*, and *Photos*. The *Reviews* and *PhotoReviews* entities allow users to share experiences and photos, contributing to a community of informed travelers. Consequently, users can plan trips, engage with a traveler's community, and have an enriched planning experience through a cohesive, informative application.

#### APPLICATION PLATFORM

The database, built on the department-provided **Oracle** servers, will manage complex travel and tourism data and querying functionality, while the **PHP**-based application will ensure dynamic user interactions. Together, they will form a robust platform for a cohesive travel planning experience.

## ER DIAGRAM

