

Universiti Teknologi MARA

TripTally: Budgeting Travel System

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ABSTRACT

The Internet has significantly transformed the travel industry by providing extensive information and resources that simplify trip planning. Digital tools allow travellers to explore destinations, compare accommodations, and make informed decisions. However, despite these conveniences, budget-conscious travellers face challenges in identifying options that align with their financial constraints and personal preferences (Trapani et al., 2019). The overwhelming number of choices often complicates the decision-making process, increasing the risk of overspending. Existing travel platforms frequently lack comprehensive budget management tools. Many do not allow users to filter results based on specific financial constraints, requiring manual effort to compare multiple options. This limitation makes it difficult for travellers to find affordable yet meaningful experiences (Lin et al., n.d.). To address these challenges, this study proposes TripTally, a travel planning platform designed to enhance budget management and provide personalized recommendations. TripTally integrates real-time budget monitoring, Google Maps functionality, and Street View features while offering user-specific hotel and attraction recommendations within financial limits. The system is developed using the Waterfall Model, beginning with requirement gathering, followed by system design, implementation, testing, and maintenance. By addressing the shortcomings of existing travel planning systems, TripTally assists users to create customized travel plans efficiently without exceeding their budgets. This platform enhances decision-making capabilities and financial control, contributing to a more seamless and cost-effective travel planning experience.

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CHAPTER 1 : INTRODUCTION

The main topics of the first chapter are discussed about the background study problem statement, research questions, research objectives, project scope and project significance. It gives an overview of this travel budgeting system, which is intended to assist travellers in identifying reasonably priced accommodation, activities to do, and transportation options.

1.1. Background of Study

The Internet has transformed the travel industry by providing extensive information and resources that simplify the planning process for travellers. From exploring destinations to booking accommodations, travellers now rely on digital tools to make informed decisions. However, while these tools offer convenience, they also present challenges, particularly for budget-conscious travellers. With the overwhelming number of choices available, many travellers struggle to identify options that align with their financial constraints and personal preferences (Trapani et al., 2019).

Existing travel systems often lack comprehensive tools to assist users in managing their budgets effectively. For instance, many platforms fail to filter results based on specific budgetary needs, leaving users to manually sift through a multitude of options. This lack of targeted solutions complicates the decision-making process and increases the risk of overspending (Lin et al., n.d.). Budget-conscious travellers face significant challenges in finding affordable and meaningful travel experiences that meet their expectations. To address these challenges, the proposed system introduces a travel planning platform that prioritises budget management and personalised recommendations. Users can input their budget and receive tailored suggestions for accommodations and attractions that fit their financial goals. The system also provides real-time feedback on budget usage, alerting users when their selections exceed the set budget. By incorporating features like dynamic budget tracking and interactive recommendation tools, the system simplifies decision-making for travellers with financial constraints (Trapani et al., 2019).