**A PROPOSED OFFERING OF A WEB-BASED TRAVEL BOOKING SYSTEM FOR RARE EXPLORER TRAVEL&TOURS AT DATAMEX COLLEGE OF SAINT ADELINE VALENZUELA BRANCH**

A Project Proposal Presented to the

Faculty of Datamex College of Saint Adeline, Inc.

In Partial Fulfillment of the Requirements for the

Degree of Bachelor of Science in Information Technology

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**DEPLOYMENT DOCUMENTATION**

**Deployment Documentation**

**Introduction**

The Travel Booking System for RareExplorer Travel and Tours is an online platform developed to make the process of booking flights, hotels, and travel packages more convenient. It aims to provide customers with an easy-to-use and reliable way to plan their trips anytime and anywhere.

The main objective of this deployment is to install and implement the system successfully, ensuring that it operates smoothly and meets the needs of both administrators and users.

The scope of this deployment involves a full deployment of the system, which includes testing, installation, and user training for complete system operation.

**Deployment Plan**

The deployment strategy focuses on gradually setting up the system to minimize possible errors. The process includes pre-deployment setup, system installation, and post-deployment monitoring.

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| --- | --- | --- | --- | --- |
| Phase | Description | Start Date | End Date | Status |
| Pre-Deployment | Preparing the environment and configuring settings | 10/01/2025 | 10/03/2025 | Completed |
| Deployment | Installing and setting up the system | 10/04/2025 | 10/06/2025 | In Progress |
| Post-Deployment | Testing, monitoring, and support | 10/07/2025 | 10/10/2025 | Pending |

*Table 1. List of Deployment Plan*

**DEPLOYMENT ENVIRONMENT**

**Overview**

The deployment environment describes the computer setup, programs, and hosting needed to install and use the RareExplorer Travel and Tours Booking System properly. It ensures that all parts of the system such as the website, database, and payment features work together smoothly and safely. Setting up the right environment is important to make sure the system runs well, remains secure, and is compatible with different devices used by both customers and administrators.

* Hardware Requirements: Computer or laptop with stable internet connection.
* Software Requirements: Web browser, Firebase (for database), Node.js, and other necessary frameworks.
* Hosting Information: The system is hosted using a cloud-based platform connected to Firebase.

**DEPLOYMENT PROCEDURES**

**4.1 Pre-Deployment Steps**

* Backup existing data (if applicable).
* Install required software and configure the Firebase database.
* Ensure proper internet connection and check system compatibility.

**4.2 Deployment Execution**

* Upload application files to the cloud hosting server.
* Set up database connections, API keys, and environment settings.
* Initialize the system and check for any installation errors.

**4.3 Post-Deployment Steps**

* Test the system to confirm that all functions work correctly.
* Observe system performance and ensure stable operation.
* Provide training for users on how to navigate and use the system.

**USER TRAINING &SUPPORT**

* A short training session will be conducted for system users, focusing on system usage, account management, and online payment procedures using GCash.
* User manuals and documentation will be provided for guidance.
* Support inquiries can be sent to the system administrator or technical team.

**RISKS & CONTIGENCY PLAN**

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| --- | --- | --- |
| Risk | Impact | Mitigation Strategy |
| Server downtime | High | Use backup servers and notify users ahead of time. |
| Database connection failure | Medium | Test Firebase connectivity before deployment. |
| User resistance | Low | Provide user training and continuous support. |

**DEPLOYMENT VERIFICATION & SIGN-OFF**

All major deployment steps have been completed and verified through functional and performance testing. Stakeholders confirm that the deployment was successful and the system is ready for official use.

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| --- | --- | --- | --- |
| Stakeholder | Role | Signature | Date |
| Rj R.Cameña | Client Representative |  |  |