Assignment

-Advanced Software Engineering

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1.Introduction

1.1.Purpose

This document describes all the features of the system. The document will help to avoid in correction and missing data.

1.2.Scope

The system provides the complete information of cruises, the trip packages, search for cruises , online reservation, port details, destination details, cancellation reservation etc. This system allows user to manage the site in an efficient manner.

1.3.Product Perspective

1.3.1 System Interface

This web application runs on internet explorer 4 and above browser.

1.3.2 User Interface

- Login
- Registration
- Booking and Cancellation
- Search for details
- Payment
- Feedback

1.3.3 Hardware Interface

CPU : Dual Core

Hard disk space : 150 GB or above

Main Memory : 2GB

Monitor : 15” SVGA COLOR

1.3.4 Software Interface

Web Server : IIS 5.0

Internet tool : HTML, JavaScript

Front-end : ASP.NET

Operating System : Windows XP

Back-end : MS SQL Server 2008

1.4 Product Function

This web application deals with luxurious ship management. It provides the complete information of cruises and it's booking. The administrator can control all the operation in the website. The user is able to view the product details only if he is logged in and active user. Some of the functions of the application are

- Admin login
- User login
- User registration
- Booking and Cancellation
- Search for details
- Add details of cruises

1.5 User Characteristics

Admin is the main person in this website. He updates the site and approves all the registration of the users. He can add the

details of cruises, events, and approves all the bookings.

1.6 Assumption and Dependencies

The admin and user can login only with the valid user_id and password provided at registration time.

2. Requirement

Requirement analysis involves studying the current system to find out how it works and where improvements could be made.

2.1 External Interface

- User Interface
- Hardware Interface
- Software Interface
- Communication Interface

2.2 Functions

2.2.1 Admin

Admin does all registration approvals , updation , deletion of user. His main task are validation.

2.2.2 User

A user can access the service of system after registration. They can view the details and book as per their wish.

2.2.3 Registration

Registration is the user side activity. After registration they provide user_id and password which can be used by them.

2.2.4 Login

Login provides the access permission to different kind of user. They can login only with user_id and password.

2.2.5 Search for details

User can check all details about the cruises and can book as per their wish.

2.2.6 Booking and Cancellation

The user can reserve the journey and wait for approval. Check their status and if the user wants to cancel journey, he can cancel the booking .

2.2.7 Feedback

Complaint and comments about the cruise trip are described. User feedback are posted in the website.

2.3 Usability Requirements

The software should be user-friendly and highly interactive. The information can be retrieved at anytime. System allows user to manage the site in an efficient manner.

2.4 Performance Requirements

The software should be easy to work. The operation should be safe and unauthorised access should not be allowed.

2.5 Database Requirements

Database requirement store data organized according to the user . Database is essential for good performance of the system.

2.6 Design Constraints

Design allows to create a model that can be assessed for quality and improved before content , minimized cost of the system.

2.7 Software System attributes

The software should be secure . It will verify all the data that enter the system.

3. Verification

We can check all the requirements are completely done and any changes are made according to the customer needs.

4. References

- Philip A Laplante , '*what Every Engineer should Know about Software Engineering*'
- www.wikipedia.org
- http://www.w3schools.com/asp