University of Bedfordshire

CIS016-1 Assignment 2 Cruise Excursion Booking System Group Report

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# Abstract:

The purpose of our project “Cruise Excursion Booking System” is to develop the onboard system which can be used for excursion booking. This project helps people who are willing to spend their quality time with their loved ones during the holidays. This project is to make excursion booking easy and customizable. There are various excursions available, where people can book the desired excursion. This project is developed to help people who like to visit exciting and new places, they also can book their desired destination for further excursions.

# Introduction

Cruise excursion Booking is a booking system that helps the holiday makers choosing the excursion outside of cruise where they can visit different countries, cities, and place of interest in a short period of time. It is an onboard platform to solve the problem of destination excursion booking system. It provides an easier user interface for excursion booking. In this system, the registered users can book the desired place of excursion. They can search and view availability of the seats for excursion. One coach consists of 32 seats. A customer cannot book twice in this system. Once all the seats are sold out no more booking can be made and new customer who tries to book is sent to the waiting list to wait.

## Requirement:

Before developing our project “Cruise Excursion Booking System”, it was vital for us to know its requirements so that it will be easier for us to develop the system. So, the system requirement of our project “Cruise Excursion Booking System” based on the given scenarios are:

* On board platform of destination excursion booking system.
* User can login and register.
* Registered user can book seats for excursion.
* Various excursions can be chosen.
* Registered users can search the type of excursion and book seats.
* A coach consists of 32 seats.
* Once all the seats are sold no more booking can be made.
* If user wants to book seat even if seats are sold out, then he/she are kept in waiting list.
* User cannot book twice.
* User can view, update and delete their bookings.

# System Design:

After discussing all the requirements of our system, we designed the layout of the system. To develop our system, we have followed Object Oriented design. Object Oriented design includes process of planning a system of interacting objects for solving a specific problem. It is organized more around objects rather than actions, data or logic. By following Object Oriented Design, it helped us to create better flowing

We have followed Object Oriented Programming for developing of system. We have used following things to implement our system design to prepare system.

JAVA programming: We have used Java as programming language, as it is purely object oriented. We have used java because it is platform independent, portable to use since code can be taken form one computer to another without having any worries about system configurations and it has robust exception handling. HOW?

JDBC: We have used JDBC MySQL connector for connecting the database and our system. We have used JDBC because it is Java API. It offers natural Java interface for working with SQL. It is needed to provide a “pure Java” solution for a application development.

Example:

NetBeans: Out of various IDE available which supports Java , we have used NetBeans IDE 8.2 because How?