



**CONTINUING EDUCATION PROGRAM – CENTER FOR
COMPUTING AND INFORMATION TECHNOLOGY
FACULTY OF ENGINEERING
UNIVERSITY OF INDONESIA**

MY HOTEL

2 SC 1

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Project On

My Hotel

Developed By

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 Mutia Ayu Dianita

The logo for NIIT (National Institute of Information Technology) is displayed in a large, bold, blue serif font. The letters are thick and blocky, with a classic academic or institutional feel.

My Hotel

Batch Code : 2SC1

Start Date : May 10, 2016

End Date : May 17, 2016

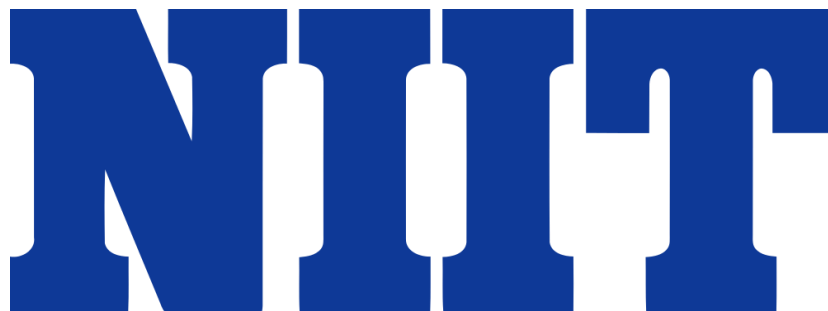
Name Of The Coordinator : Dudy Fathan Ali, S.Kom

Name Of Developer : Ian Andika D.S.

Muhamad Hudya Ramadhana

Mutia Ayu Dianita

Date of Submission: May 18, 2016



CERTIFICATE

This is to certify that this report **My Hotel** embodies original work done by **Ian Andika D.S, Muhamad Hudya Ramadhana, Mutia Ayu Dianita** in partial fulfillment of their course requirement of NIIT .

Coordinator

Dudy Fathan Ali, S.Kom

ACKNOWLEDGEMENT

We have gained a lot of benefit from feedback, knowledge, and suggestion given to us by Mr. Dudy Fathan Ali, S.Kom. and other faculty members. Therefore we are very grateful for his help in making this project.

System Analysis

System Summary: The required My Hotel Program should enable user to:

- Create a new data of Room, Class, Customer, Check In, Check Out and access to login the program with username and password.
- Manage and update data of Room, Class, Customer, and Transaction by admin role.
- Do check in and check out and check the data are available or not.
- The total to be paid by the customer has been programmed so that it can calculate automatically.
- Room, Class, Customer, and Transaction data can be search using linear search algorithm and sorted according to the wishes depending on the choice that has been provided in the program using bubble sort algorithm.

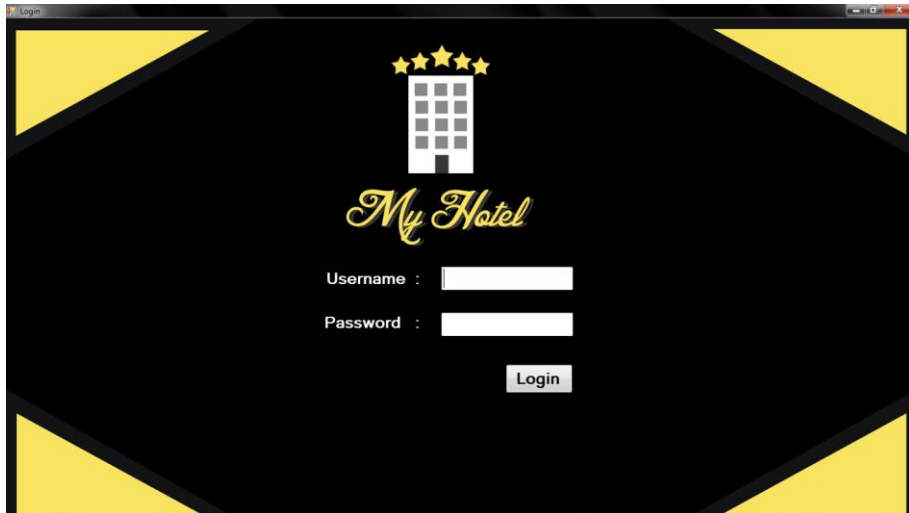
Implementation Details

The required My Hotel needs to be implemented by using Algorithms and Data Structure such as Array. When a file is loaded on to memory, its contents will be read in Array (.txt), where each index will contain one line of text by Linear Search.

My Hotel also using bubble sort algorithm to sort the employee data and data of food. The data will be sorted by name, price, or age, and choose one filter for example Ascending or Descending.

Program will running if user, choose two of combo box in the form. But if user didn't choose, message box will appear and give information that user have to choose menu in combo box.

Interface Design for The Hotel Application



Login Panel



Admin Panel

PROBLEMS ENCOUNTERED

Some of the problems experienced in the writing of the inventor of this project are as follows :

- We have just learned to make Algorithm and and we still lay in managing Data Structure in programming code.
- Difficult in making Algorithm is the algorithm should be suitable with the program which programmer need to choose and execute exactly algorithm.
- We do not have any experience in doing projects like that given at this time.

CONFIGURATION

Hardware: Intel^R CoreTM i3-2450M CPU @ 2,20GHz 2,10 GHz, 4.00GB RAM, 500 GB HDD,ASUS X450 802.11b/g/n,6 cell Li-ion battery

Operating System: Windows 7

Software: Microsoft Visual Studio 2010, Microsoft Office Word 2013.

PROJECT FILE DETAILS

S.No	File Name	Remarks
1	Hotel.sln	MS. Visual Studio 2010

Individual Project Schedule

S. No.	Activity Description	Planned Date of Completion	Actual Date	Responsibility	Remarks
1.	Writing code for Implementing a ArrayList	10 th May	11 st May	Hudya	
2.	Writing Code for Implementing a Bubble Sort Algorithm	12 nd May	13 rd May	Mutia	
3.	Writing code for Implementing a Linear Search	13 rd May	13 rd May	Hudya	
3.	Writing code for validation	14 th May	16 th May	Ian	
4.	Search Bug and solve	16 th May	17 th May	Ian	
5.	Design Program	17 th May	17 th May	Mutia	



Receptionist Panel

A screenshot of a software window titled "CheckInNew". At the top, there is a door icon with an arrow pointing right and the text "CHECK IN". Below this, there are several input fields: "Code" (containing "1007"), "Customer Code" (a dropdown menu), "Room Code" (a dropdown menu), "Room Price" (a text field), "Check In Date" (containing "17/05/2016" with a calendar icon), "Check Out Date" (containing "17/05/2016" with a calendar icon), and "Total" (a text field). At the bottom, there is a "Check In" button.

New Check In

CheckInDisplay

TRANSACTION

Search By :

Table Option

Sort By :

	Code	Customer Code	Room Code	Room Price	Check In Date
▶	I001	C001	R002	1200000	16/05/2016
	I002	C001	R002	1200000	16/05/2016
	I003	C001	R003	800000	16/05/2016
	I004	C001	R004	700000	16/05/2016
	I005	C002	R001	1500000	17/05/2016

Transaction Display

CheckInUpdate

TRANSACTION

Code

Code

Customer Code

Room Code

Room Price

Check In Date

Check Out Date

Total Price

Transaction Update

ReportTransaction

Transaction Report

18/05/2016

Trans_Code	Cust_Code	RoomCode	Price	Check In	Days	Check Out	Total Price	Status
I001	C001	R002	1,200,000	16/05/2016	3	19/05/2016	3,600,000	Reserved
I002	C001	R002	1,200,000	16/05/2016	1	17/05/2016	1,200,000	Checkout
I003	C001	R003	800,000	16/05/2016	1	17/05/2016	800,000	Reserved
I004	C001	R004	700,000	16/05/2016	1	17/05/2016	700,000	Reserved
I005	C002	R001	1,500,000	17/05/2016	2	19/05/2016	3,000,000	Reserved
I006	C002	R005	1,200,000	17/05/2016	8	25/05/2016	9,600,000	Checkout

Data Count : 6

Total Income : 18,900,000.00

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100%

Transaction Report

CheckOutNew

CHECK OUT

Code Total Days

Room Price Total Price

Room Code

	Code	Customer Code	Room Code	Room Price	Check In Date	Days
▶	I001	C001	R002	1200000	16/05/2016	3
	I003	C001	R003	800000	16/05/2016	1
	I004	C001	R004	700000	16/05/2016	1
	I005	C002	R001	1500000	17/05/2016	2
*						

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Check Out Panel