



**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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M Hudya Ramadhana  
Mutia Ayu Dlanita



# My Hotel

Batch Code : 2SC1

Start Date : May 10, 2016

End Date : May 17, 2016

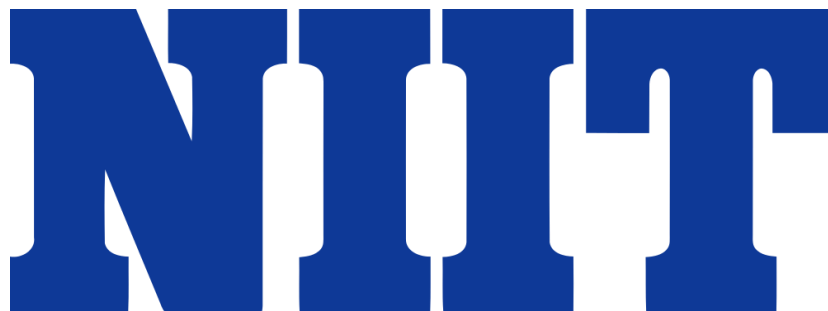
Name Of The Coordinator : Dudy Fathan Ali, S.Kom

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 sorted according to the wishes depending on the choice that has been provided in the program.

## 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.

## 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<sup>R</sup> Core<sup>TM</sup> 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 <sup>th</sup> May	11 <sup>st</sup> May	Hudya	
2.	Writing Code for Implementing a Bubble Sort Algorithm	12 <sup>nd</sup> May	13 <sup>rd</sup> May	Mutia	
3.	Writing code for Implementing a Linear Search	13 <sup>rd</sup> May	13 <sup>rd</sup> May	Hudya	
3.	Writing code for validation	14 <sup>th</sup> May	16 <sup>th</sup> May	Ian	
4.	Search Bug and solve	16 <sup>th</sup> May	17 <sup>th</sup> May	Ian	
5.	Design Program	17 <sup>th</sup> May	17 <sup>th</sup> May	Mutia	