



**Continuing
Education
Program
Center for Computing and Information
Technology
Faculty of Engineering University of Indonesia**

PROJECT ON

“My Kost”

Group : 5

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Faculty : Dudy Fathan Ali S.Kom

Class :4 SC 1

Faculty of Engineering University of Indonesia

Depok 16424

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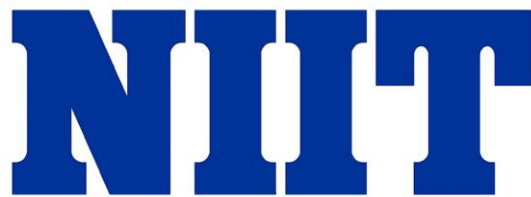
PROJECT ON

My Kost

Developed by:

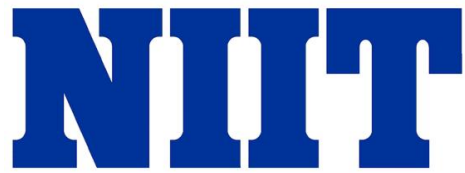
Name : Muhammad Hudya Ramadhana

Mutia Ayu Dianita

The logo for NIIT (National Institute of Information Technology) is displayed in a large, bold, blue serif font. The letters are closely spaced and have a classic, institutional feel.

My Kost

Batch Code	: 4 SC 1
Start Date	: June 5 th , 2017
End Date	: June 20 th , 2017
Name Of The Coordinator	: Dudy Fathan Ali S.Kom
Name Of Developer	: Muhammad Hudya Ramadhana Mutia Ayu Dianita
Date Of Submission	: June 21 st , 2017



CERTIFICATE

This is to certify that this report, titled My Kost embodies the original work done by **Muhammad Hudya Ramadhana and Mutia Ayu Dianita** in partial fulfillment of their course requirement at NIIT.

Coordinator:

Mr. Dudy Fathan Ali S.Kom

ACKNOWLEDGEMENT

We have benefited a lot from the feedback and suggestions given to us by Mr. Dudy Fathan Ali S.Kom. The Project presentation opportunity we have with CCIT-FTUI is a great chance for learning and professional development. Therefore, we consider ourselves very lucky as we are provided with an opportunity to be a part of it. We are also grateful for having a chance to meet so many wonderful people and professionals who led us through this project period.

Bearing in mind, we would like to express our deepest gratitude and special thanks to Mr. Dudy Fathan Ali S.Kom of CCIT-FTUI faculty who in spite of being extraordinarily busy with his duties, took time out to hear, guide and keep us on the correct path and allowing us to carry out our project until completion.

Our Project assignment won't be as good as it is now without any help, feedback and suggestion that were given to us by our friends within the campus. So, we would also like to say thank you to all of them. We will strive to use gained skills and knowledge in the best possible way, and we will continue to work on the improvements, in order to attain desired career objective.

INTRODUCTION

My Kost is an application of kos kosan that give some facility such as reservation and check status web for customer and desktop application for admin, the developer of My Kost will analyze about the software quality assurance, the result of this analysis will show that if the software have a good quality or not and give a brief introduction of My Kost that needs to be tested.

IDEAL TEST ENVIRONMENT FOR MY KOST

Test environment is the description of the hardware and software environment in which the application software will be executed to determine competency and efficiency. The purpose of test environment is maintaining a central repository of test-environments in scope with their latest version and connectivity details and allocation of test environments to teams as per requirement.

Describe the ideal software and hardware requirements to test the website and desktop application

- **Hardware:**

- Processor Intel Core 2 Duo and higher, CD ROM Drive, Optical Wireless Wheel Mouse and Keyboard, 14" Color Monitor
- Processor AMD AM2 and higher, CD ROM Drive, Cable Mouse and Keyboard, 14" Color Monitor

- **Operating System:**

- Microsoft Windows 7 Ultimate
- Microsoft Windows 8.1 Pro

- **Software:**

- ASP.Net, IIS Web Server, Visual Studio 2012, SQL Server 2008 Express Edition, WCF Service.

TESTING TECHNIQUES IMPLEMENTED IN MY KOST

Test Techniques is to define one international standard covering software test design techniques (also known as test case design techniques or test methods) that can be used during the test design and implementation process within any organisation or software development life cycle model. The purpose of test techniques is ensure that the system is working good enough or not.

Describe different types of testing techniques that can be implemented to test the internet banking website and admin desktop application. The suitable testing techniques can be selected from the following techniques to test the application:

- Structural Testing Technique:
 - Load/Stress Testing
 - Recovery Testing
 - Operation Testing
 - Security Testing
 - Compliance Testing

- Functional Testing Techniques:
 - Requirements Testing
 - Regression Testing
 - Error-handling Testing
 - Manual-support Testing
 - Intersystem Testing

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TYPE OF TESTING TOOLS FOR MY KOST

Testing tools is an instrument used by a tester to perform testing. The purpose of testing tools for perform various activities and are applicable for use in all the phases of the system development life cycle.

Efficient testing of an application necessitates the use of some testing tools. These tools perform various activities and are applicable in all the phases of the system development life cycle.

Describe the testing tools applicable for My Kost that can be selected from the following testing tools:

- Unit testing tool
- Manual tool

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RISKS TO MY KOST DURING TESTING

Risk management is the process of identifying , controlling, and eliminating or minimizing risks that may affect system resources. The purpose of the risk management is identify possible risks, reduce or allocate risks and provide a rational basis for better decision making in regards to all risks

Identify and describe the risks from the following types of risks that may affect My Kost:

- Software Risks
- Bussiness Risks
- Premature Risks
- Testing Risks

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TYPICAL COMPONENTS OF TEST PLAN FOR MY KOST

Test plan is a document that describes the scope, resources, approach, and schedule of intended test activities. It identifies the items to be tested, items not be tested, who will do the testing, the test approach followed, what will be the pass/fail criteria, training needs for team, the testing schedule etc.

A typical test plan should describe the purpose of the test plan along with the intended audience for the test plan. The test plan should describe the following components based on the My Kost:

- Project Objectives
- System Description
- Test Objectives
- Features to be Tested
- Test Team
- Staffing and Training Needs
- Budget
- Requirements

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TEST METRICS RELEVANT TO MY KOST

Metrics are the best way to know whether a process is under control and is performing as desired, test metric is to measure the quality of software product for each testing activities. The purpose of test metrics is managing the test activities, measurable data on the test process and test products is needed. Describe the need for designing test metrics and the types of test metrics that should be gathered to test the My Kost

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