Black-box Test Case Design Document

<Project Name>

Version 1.0

Prepare by

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1. คำนำ (Preface)

This should define the expected readership of the document and describe its version history, including a rationale for creation of a new version and a summary of the changes made in each version.

Revision History

Name	Date	Description	Version

2. บทนำ (Introduction)

This should describe the need for the system. It should briefly describe its functions and explain how it work with other systems. It should describe how the system fits into the overall business or strategic objectives of the organization commissioning the software.

2.1 หลักการและเหตุผล (Overview)

This should explain the problem of current system and how the new system will improve or solve the problem.

2.2 วัตถุประสงค์ (Purpose)

This subsection should identify the purpose of the system

2.3 Business Rules and Processes

This subsection should describe business rules and processes of the system.

2.5 เอกสารอ้างอิง (References)

This subsection should:

   (1) Provide a complete list of all documents referenced elsewhere in the document

   (2) Identify each document by title, report number (if applicable), date, and publishing organization

(3) Specify the sources from which the references can be obtained.

This information can be provided by reference to an appendix or to another document. If your application uses specific protocols or RFC's, then reference them here so designers know where to find them

3. Test Case Generation

3.1 Test Cases of Business Rule-1

This should demonstrate the table of generated test cases from **Equivalence Partitioning/Boundary Value Analysis.**

Check in date

Figure 3.2.1: The partition diagram of Business Rule-1.

Table 3.1.1: The partition table of Business Rule-1.

Partition	Value	Lower Boundary	Upper Boundary

Example: the partition of Check-Out process

Partition	Value	Lower Boundary	Upper Boundary
1	check in date	beginning of time	today – 30 days
2		today – 30 days	today
3		today	end of time

Table 3.1.2: The generated test cases of Business Rule-1.

Test case	Partition	Value_1	Value_2	....	Value_n

Example: the test cases of Check-out process

Test case	Partitions	Check in date	Check out time	Late check out time	Room rate	Charge
1	1,4,10,13,18	1/7/2006	11:30am	None	950	44650
2	2,4,10,14,18	18/7/2006	11:30am	None	1500	45000

3.2 Test Cases of Business Rule-2

This should demonstrate the table of generated test cases from **Syntax Testing/State Transition Testing.**

reservation number = surname + year + "-" + sequence

surname = 2{letter}5
year = 4{digit}4
sequence = 4{digit} 4

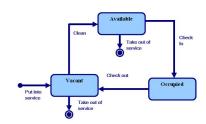**Figure 3.2.1:** The Syntax /Start transition diagram of Business Rule-2.

Table 3.2.1: The test cases of Business Rule-1.

Test case	Options
1	'Ng2007-9999'
2	'Tan2007-9999'
3	'Smith2007-9999'
4	'Abbot2007-9999'

Invalid	Test	Options
1. Value	1	"Finkelstein20001-9999999"
2. Substitution	2	"9999-2007Tan"
3. Omission	3	"Smith-9999"
4. Addition	4	"Abbot/2007-9999+Extra"