HOTEL MANAGEMENT

A Project Report Submitted in Partial Fulfilment of the Requirements for the Degree of

MASTER OF COMPUTER APPLICATION

by

OM NARAYAN MISHRA

(Enrollment no. 1802914010)

Under the Supervision of

Dr. Sangeeta Arora

KIET Group of Institutions, Ghaziabad



to the

Department of Computer Applications

Dr. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY LUCKNOW

 $(Formerly\ Uttar\ Pradesh\ Technical\ University, (Lucknow)$

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I hereby declare that the work presented in this report entitled "THESIS TITLE", was carried out by me. I have not submitted the matter embodied in this report for the award of any other degree or diploma of any other University or Institute. I have given due credit to the original authors/sources for all the words, ideas, diagrams, graphics, computer programs, experiments, results, that are not my original contribution. I have used quotation marks to identify verbatim sentences and given credit to the original authors/sources.

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Roll. No: 1802914010

Branch: MCA

(Candidate Signature):

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(Designation)
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ABSTRACT

Hotel Management is a form of commerce which allows consumers to directly buygoods or services from a seller over the Internet using a web browser.

A typical online storeenables the customer to browse the firm's range of room and services, view photos orimages of the room, along with information about the specifications, information and room prices.

Online room booking stores typically enable shoppers to use "search" features to find specific or items. Online customers room booking must have access to the system.

- It also allow user to purchase by the room from different colors by the room .
- Home page will also about information of new arrival customer, top selling room.

ACKNOWLEDGEMENT

I take this occasion to thank God, almighty for blessing us with his grace and taking ourendeavor to a successful culmination.

I extend my sincere and heartfelt thanks to ouresteemed guide, **Ms. Sangeeta Arora**, for providing me with the right guidance and advice atthe crucial junctures and for showing me the right way.

I extend my sincere thanks to ourrespected Head of the department **Mr. Ajay Shrivastava**, for allowing us to use the facilities available.

I would like to thank the other faculty members also, at this occasion. Last but notthe least, I would like to thank my friends and family for the support and encouragement they have given me during the course of our work.

OM NARAYAN MISHRA (1802914010)

DEDICATION

The project is dedicated to my home place 'I in memory of my loving parents PETER and CONSOLATE.

Your vision of a flood free Budalang is becoming a reality through the seed you planted on this

planet EARTH.

JPR TECHNOSOFT LLP



Om Narayan Mishra

Date: 10/07/2021

INTERNSHIP CERTIFICATE

This is to certify that Mr. Om Narayan Mishra has successfully completed internship at JPR Technosoft LLP, Noida from 10th April 2021 to 30th June 2021.

We found him sincere, hardworking, technically sound and result oriented. He worked well as part of a team during his/her tenure. We take this opportunity to thank him and wish him all the best for her future.

Sincerely

Asha Verma

HR HEAD JPR Technosoft LLP

Authorised Stonatory

B-67, Block - B , Noida Sector 65, Noida-201301

Call: 0120-2312073 Email: hr@jprtechnosoft.com Web: www.jprtechnosoft.com

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CHAPTER 1

1.0 INTRODUCTION

ABC HOTEL MANAGEMENT SYSTEM was developed following system development stages for smooth running and management of ABC hotel. The seven months provided by the Kenya national examination council enabled the system analyst recognize and define the problem in the current manual system at the hotel. After an information gathering process from several hotels managed by manual and computerized systems, the system analyst saw that the hotel indeed needed a computerized management system.

After a close analysis of samples collected during the problem definition stage the analyst found that all the hardware and software requirements needed for implementation and maintenance of the system are readily available in the market and cheaply affordable by the hotel. The system was carefully designed to ensure maximum efficiency of the system at the hotel. The system was skillfully and carefully coded to seal any possible loopholes in the system.

The system was developed using visual basic for applications (Microsoft access) language. This system will indeed help the hotel management and the esteemed staff members to manage and steer the hotel's functionality and transactions to realize its maximum potential in addition to its competence in the hotel business field.

2.0 SYSTEM ANALYSIS

2.1 PROBLEM DEFINITION.

ABC Hotel offers accommodation, meals, additional facilities and other services.

Accommodation services are offered as follows:

CATEGORY	BED AND	HALFBOARD	FULLBOARD
	BREAKFAST (KSH)	(KSH)	(KSH)
SINGLE ROOM	2500	3900	5100
DOUBLE ROOM	2900	4300	5500
SINGLE ROOM SELF CONTAINED	3100	4500	5700
DOUBLE ROOM SELF CONTAINED	3700	5100	6300

Meals, other services and facilities

offered includes: Breakfast; Lunch, dinner, tea, Laundry, Ironing, transport and room service. The services are offered as outlined below:

ITEM	COST
BREAKFAST	1000
LUNCH	700
DINNER	1500
TEA	250
LAUNDRY:HEAVY LINEN	300
MEDIUM	200
LIGHT	100
TRANSPORT:MILEAGE,	
VEHICLE	

Although the hotel is of an international class and quality, it's not realizing its maximum potential due to delay of activities by the current redundant manual system. Due to huge losses suffered by the hotel from the frequent errors in the current system, the hotel management opted for a computerized system, which would:

- 1. Be friendlier to customers and the staff.
- 2. Improve customer care and service at the hotel.
- 3. Increase the hotel performance.
- 4. Reduce the operational costs of the hotel.



2.2 THE CURRENT MANUAL SYSTEM

2.21 SYSTEM DESCRIPTION

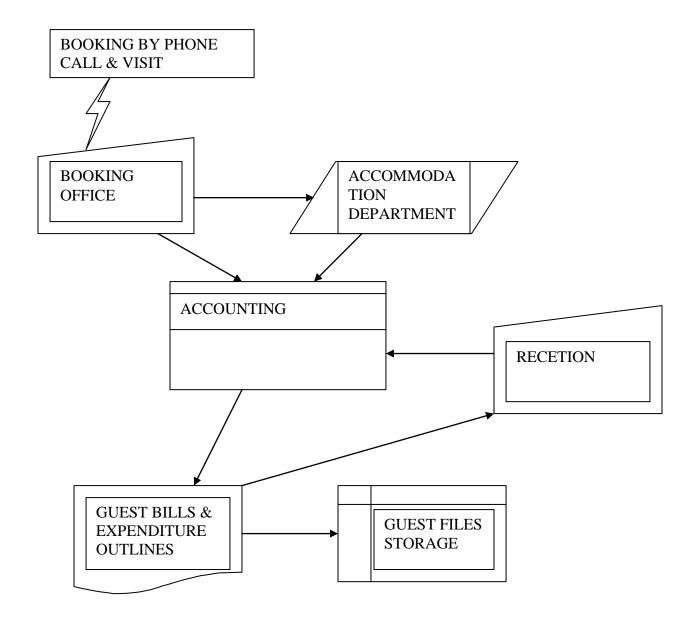
The current manual system uses paperwork and direct human language communication by mouth to manage the hotel. This delays information transmission in the hotel.

Booking is done through phone calls or through visit to the hotel booking office. The guest's personal details such as Name, Age, Nationality, and Duration of stay, are input during booking in. The booking office orders for preparation of the guest's room before his/her check in date. The documents are transferred manually to the filling department for compilation of the guest's file. On the reporting date the file is transferred to the reception. On checking in the guest is given the key to his allocated room, he also specify if he needs room service.

The receptionist hands over the guest's file to the accountant on the next table. Here the guest pays accommodation and meals fee. The guest's file is updated on daily basis of his expenditure costs. The accounts department generates the bills on daily basis and delivered to the guests in their rooms at dusk by the service maids. The guest pays at the accounts desk, where the receipts are generated.

For a one meal customer the bill is generated immediately after ordering and he pays at the accountant desk before leaving.

During checking out of guests, their expenditure outlines are generated a day before check out date. The guests receive their outlines at the accounts desk as they check out, where they pay for bills balances if any.



2.23 PROBLEMS IN THE MANUAL SYSTEM

- 2. *Difficulty in location of guest files:* due to the large number of guests' files, location of guest files during checking in, updating of daily expenditures, receipt generation and checking out is extremely difficult for the hotel employees.
- 3. *Large storage space:* the physical files occupy too much space of about two rooms full of storage cabinets. This occupies the hotel's space that could have otherwise been used for income generation by the hotel.

- 4. Human and computational errors: many errors enabled by the system due to tedious computations required during data processing cost the hotel management heavily.
- 5. Poorly generated records: poorly generated records encourage omission of some important data by the employees. Such data as the guests' luggage is omitted. This leads to security problems at the hotel such as armed robberies.
- 6. Complains from guests: due to poor management of documents encouraged by the manual system, several cases were reported where guests complained of overcharging, charging of services not used by the guests.
- 7. Poor communication: due to poor communication between the departments, guests are often served with services they didn't order.
- 8. Difficulty in data analysis: The accountants usually found it difficult to analyze the guests' data during generation of expenditure bills due to missing of some records.

2.25 ADVANTAGES OF THE MANUAL SYSTEM.

- 1. Employees don't need special computer skills to run the manual system
- 2. No reliance on computer devices which may fail since they are machine in nature.
- 3. Relatively low running costs as the system requires no electricity, internet services as the computerized system would.

2.26 DISADVANTAGES OF THE MANUAL SYSTEM.

- 1. Guest files can easily get lost or mix up with other guest file documents.
- 2. Files occupy a large storage space
- 3. Unnecessary duplication of data.
- 4. Files are prone to theft unauthorized modification due to low data security levels and standards.
- 5. Due to easy access to guest data by unauthorized users, guest data is extremely unconfident.
- 6. Retrieval of guest records is extremely difficult.
- 7. Data entry procedure is prone to errors.



8. Guest records are extremely difficult to modify since modification generates dirty and unpresentable reports.

2.3 THE PROPOSED SYSTEM.

2.31 OBJECTIVES OF THE PROPOSED SYSTEM

- To enable online booking via the internet.
- To enable automated data entry methods.
- Ensure efficient and reliable communication within the hotel.
- Avoid data entry errors by use of input masks.
- Enable easy authorized modification of data.
- Enforce security measures to avoid unauthorized access to guest records.
- Enable fast and easy retrieval of guest records and data for fast reference activities.

2.32 SCOPE OF THE SYSTEM.

The system will cover; booking, accommodation, meals, and accounts details. Moreover, special services such as laundry, ironing and room service will be automated by the system also, not to forget the additional facilities information that will be efficiently handled by the system.

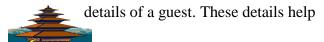
To help the system smoothly carry out its intended purpose to meet the hotel management needs, the following tables will be used to store data:

1. booking table

The table contains guest details that will be input when the guest books into the hotel. For booking, the system will give room for online booking, personal visit to the booking office, telephone calls or facsimiles. For online booking, the guest will have to log on to the hotel's website and fill his/her personal details in the booking web page provided by the system. For telephone call the guest provides his personal details over the phone as the hotel's booking staff do the actual entry of the details into the system. For personal visit to the hotel, the guest provides his details verbally which the booking staff enters into the computer system. The table has the following fields: (regno, fname, sname, nationality, id card no, gender contacts, address, email, Date)

2. *Accommodation table.*

The table contains the accommodation



ABC

uniquely identify the guest with his room and services offered for the room. These details include: (regno, fname, sname, id card no, Room no, Category, Telephone ext, charges, amount charged, Total charge, Rcpt no, Payment, Nationality)

3. Admission table

The table contains guest details input on admission of the guest into the hotel at the reception. This information keeps track of the duration that the guest has stayed at the hotel. If the guest intends to stay for more than a day, he has to book in for accommodation in advance; else, his information will be input into the system at the reception. The guest luggage information is entered in the system to ensure maximum security of luggage at the hotel. For this to become a reality, the following fields have been used: (room no, out date, in date, luggage, Id card no, nationality, sname, fname, regno)

4. Meals table

The table contains the hotels catering transactions information. This information is vital as this department is the backbone of any hotel aspiring to achieve its goals and realize its maximum potential. The table contains the following records:(date, regno, fname, sname, id card no, Meal, charges, rcpt no, payment, Nationality, Amount charged, Total amount, Room service). The system will enable automatic calculation of the total amount charged for the meals offered to guests. Room service refers to provision of meals to guests in their rooms. Room service is charged 5% of the charge of the meal.

5. Laundry table.

The table contains laundry details for clothes washed at the hotel laundry. The table contains the following fields (date, fname, sname, regno, id card no, linen, type, charges, rcpt no, payment, Nationality, Number of clothes, Amount charged, Total amount)

6. Ironing table

This table contains the ironing service information for the clothes washed both at the hotel and outside the hotel. Payment is done on clothes that are washed outside the hotel. Clothes washed at the hotel laundry are not charged. The table contains the following fields (Total amount, Amount charged, Number of clothes, payment, Rcpt no, charges, type, linen, Nationality, id card no, sname, fname, regno, date)

7. Transport table.

The table contains information of the transport services offered to the guests at an extra cost. The guest is charged depending on the type of vehicle used. The following is a list of

fields used to store transport department information (Date, Regno, Fname, Sname, Rcpt No, id card no, vehicle, Nationality, payment, Charges, commission, Total amount)

8. Ambulance table

The table contains information on the ambulance facility services offered by the hotel to local , foreign individuals and groups. The table stores information on charges and can be used to generate detailed reports on request by the management. The following fields aid the table efficiently and reliably perform its functions to the expectations: (date, type, fname, sname, regno, amblreg no, duration (days), charges, payment, Rcpt no)

9. Conference table.

This is a facility table that contains information on the conference facility services offered to the customers at an extra cost. The table keeps track of the hotel's conference rooms in use and the amount generated from the facility per meeting. The following are the fields that help the table fulfill its purpose at the hotel: (date, type, fname, sname, regno, amblreg no, Rcpt no, duration (days), charges, payment)

10. Swimming pool facility table.

Swimming pool facility table contain information on the swimming facility services offered o customers at an extra cost. The table can be used to generate reports on the daily activities in the swimming department, on request by the management. The table has the following fields to enable it perform the above described functions: (date, guest type, regno, sname, Nationality, duration(hrs), charges, payment, no of guests, Total amount, Rcpt no)

11. sporting facility table

This table ensures that the information of those who are lovers of physical fitness both as a career and as a hobby is well managed. The table holds their information safely and ensures maximum data integrity values. To enable the table accomplish its intended purpose successfully, the table contains the following fields (date, Rcpt no, Total amount, payment, charges, duration, facilities, sport activity, Nationality, regno, sname, fname, type)

12. Employees details table

The table contains valuable and delicate information about the employees. The table is for use by the hotel management to keep track of the employee records and performance at the hotel to enable the hotel realize its maximum potential and reduce any possible irrelevant expenditure. The table has the following fields that enable it ensure maximum operability and co-operation (residence, mobile no, account no, salary, position, department, position, office tel, office number , email, address, contacts, id card no, staff name staff no)

2.32 THE ADVANTAGES OF THE SYSTYEM.

- The system enables easy and fast access to the guest files.
- The system provides better data management facilities.
- The system enable online booking of guests into the hotel hence international guests can easily book into the hotel.
- The system provides performance evaluation of the employees to ensure maximum output from the employees.
- The system provides security measures to access to the hotel's information lowering data security threats.
- The system help reduce the congestion of guests ensuring best service output for customer satisfaction purposes.
- Easy update of the guest records.
- High customer service standards attract more guests to the hotel.
- Reduction 0of data entry and processing errors.
- Greatly reduce paper use at the hotel.

2.33 THE DISADVANTAGES OF THE SYSTEM.

- The system will undergo system entropy hence an extra cost of updating will be incurred to keep the system competitive in the ICT and BUSSINESS world.
- The hotel will incur an extra cost on the electricity and internet bills due to computerization of the hotel management.
- The hotel will be required to train its employees on how to manage the system hence the hotel output capacity will reduce a bit during this period

2.34 FEASIBILITY STUDY

A feasibility study was carried out to determine the benefits of the current manual system and the proposed computerized system. The system is indeed viable:

2.341 Economic feasibility.

The estimated costs of the system will indeed outweigh the estimated costs of development of the system. The estimated costs of the system are as shown below:

Item	Estimated costs(kshs)
System development	100000
Hardware installation	910000
System software	50000

Licenses	25000
Training	50000
Total costs	1135500

The estimated profits and benefits are as follows:

Item	Previous monthly	Proposed monthly	Amount cut
	expenditure	expenditure	down monthly
Paper work	500000	10000	40000
Salaries	20000000	16000000	4000000
Guest complaints	350000	100000	250000
Grand total	20850000	16110000	4740000

The following shows the monthly net profits of the current manual and proposed computerized system:

	Manual system	Computerized system
Gross profit	50000000	115000000
Expenditure	20850000	19145500
Net profit	29150000	95854500

2.342 Technical feasibility study

The system will be easy to maintain for the technical staff. The system structure is easy 0to 0imodify 0by the experts in order to meet the hotel needs and maintain its competence in the business world in the future.

2.343 schedule feasibility

The system development process will meet the delivery deadline of seven months provided by the hotel management team. The following is a break down of the activities as anticipated to be carried out:

March-April	Problem definition, Data collection, Problem description, system	
	analysis, interpretation of collected data	
May-July	System design and construction	
August-September	System testing and debugging	
October	Submission to the KNEC	

2.4 FACT FINDING REPORT.

In order to ensure that the system will meet management, employees and customer needs once



implemented, the team of experts conducted a thorough data collection process using the following methods:

1. Observation method.

The team closely observed the hotel's activities as the guests are served at the hotel and how the management carried out its managerial activities. The team found out that the hotel indeed was in a dire need for automation of its activities to realize its maximum potential. The guest admission and booking process was not well managed by the current manual system, hence, the team came up with this system to clearly outline the management boundaries of the two departments. The guest payment process also needed an urgent check up as it led to congestion on the accountant's desk leading to time wastage. The team also observed that the guest records were not well protected from unauthorized access as ill-motivated guests could easily gain access to the other guest files by posing as the real guest. From our observation we noted that the manual system denied the hotel of international guests who would have rather been potential customers through online booking.

2. Interview method.

This was the most exhaustible method of data collection. The team used their data superior collection skills to extract data out of the hotel management team, the hotel employees and the hotel's guests at the moment of data collection. The interviewers created a conducive environment in which the interviewees could feel free to let out the best they could that helped the team come up with the most effective system to fulfill their needs. Among the data collected the following was highlighted to be of a great consideration: The guests' feelings about the current management of the hotel, the employees' comfortability with the proposal of introducing a new computerized system. Many computer illiterate employees had fears of replaced pr displaced by the computer literate employees but they were assured of their survival should they be ready to prove their competence in their activities. The management's dire need for management of the hotel's proceedings was pu8t into consideration by the system developers.

3. Questionnaire method

Questionnaires were sent to several guests and the hotel's staff members into whom they filled in the information that greatly aided the team to come up with a system that would be user friendly to all the hotel users. The questionnaires were conducted orally to the users who were present at the hotel during the time of data collection and sent to appropriate staff members who were away at the time of data collection. The questions exhaustively dealt with how the system would ensure maximum output of the hotel to further realize it's potential. The responses were used to develop this system accordingly.

4. Document revision

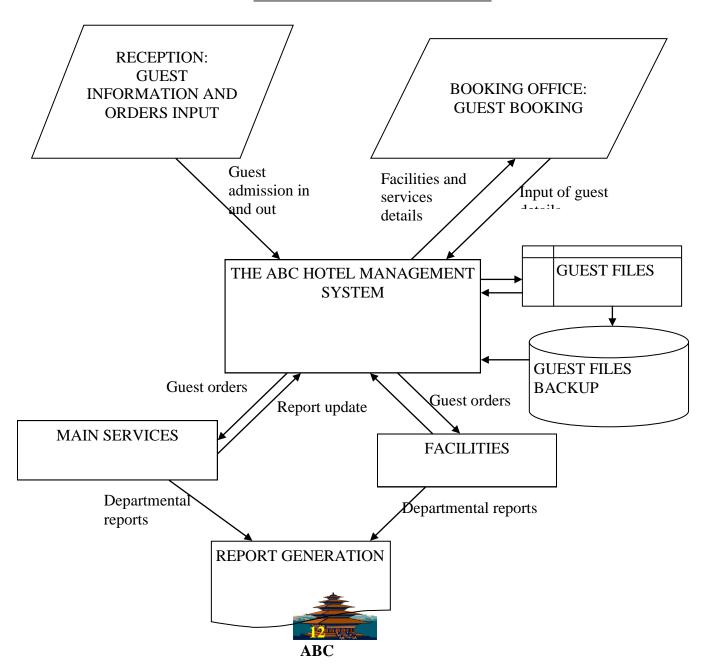
Both the guest and staff documents were revised. Several data entry errors and retrieval problems were encountered. The system has put into consideration an error recovery strategy that will ensure maximum data integrity.

3.0 THE SYSTEM DESIGN.

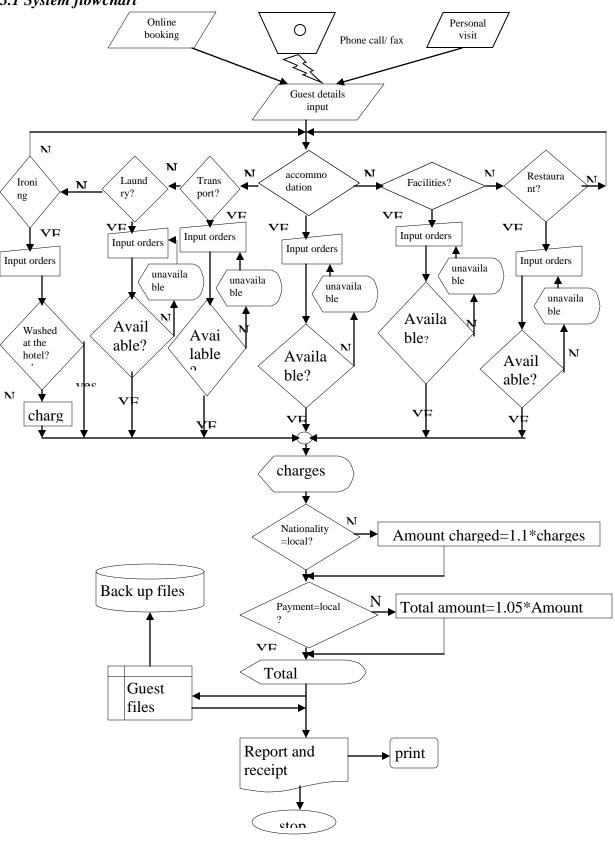
The system was designed in Microsoft Access package. The system design phase describes the functional capabilities of the proposed system. This is divided into the following design phases: System flowchart, System dataflow diagram, Input design, processing design and output design.

3.1 Dataflow diagram

SYSTEM DATAFLOW DIAGRAM



3.1 System flowchart





3.3 File data fields

The following are the designs of the tables that shall be used to store the data in the system:

3.31Booking table

Field name	data type	description
Date	Date/Time	date of booking
regno	Number	registration number
Fname	Text	first name
Sname	Text	second name
nationality	Text	Citizenship
id card no	Number	national id card number
gender	Number	guest gender
Contacts	Number	telephone number
Address	Memo	box office address
email	Hyperlink	email account

3.32 Admission Table

Field name	Data type	description
Regno	Number	registration number
Fname	Number	first name
Sname	Number	second name
Nationality	Number	Citizenship
id card no	Number	national id card number
luggage	Memo	Luggage
in date	Date/Time	check in date
out date	Date/Time	check out date
room no	Number	room number

3.33 Accommodation table

Field name	Data type	description
Fname	Number	first name

Sname	Number	Second name	
Id card no	Number	national id card number	
Room no	Number	room number	
Category	Number	room category	
Charges	Currency	accommodation charges	
Rcpt no	Auto number	Receipt number	
payment	Number	mode of payment	
Amount charged	Currency	amount charged	
nationality	Number	nationality	
Total charge	currency	total charge	

3.34 Meals table

Field name	Data type	description	
Regno	Number	Registration number	
Fname	Text	First name	
Sname	Text	Second name	
Id card no	Number	National ident8ity card number	
Room no	Number	Room number	
Category	Text	Room category	
Charges	Currency	Meal charges	
Rcpt no	AutoNumber	Receipt number	
Payment	Text	Mode of payment	
Amount charged	Currency	Amount charged	
Nationality	Text	Citizenship	
Total charge	Currency	Total charge	

3.35 Laundry table.

Field name	Data type	description
Date	Date/time	date of the transaction
Fname	Number	first name

Sname	Number	second name	
Regno	Number	registration number	
id card no	Number	national id card number	
Linen	Text	cloth linen i.e. heavy	
Type	Text	type of cloth i.e. skirt, shirt,	
		trousers, etc	
Charges	Currency	laundry charges	
Payment	Text	mode of payment	
Nationality	Text	nationality	
Number of clothes	Number	Number of clothes	
Amount charged	Currency	Amount charged	
Total amount	Currency	Total charge	
Rcpt no	Auto number	Receipt number	

3.36 Ironing table

Field type	Data type	description
Date	Date/Time	date of transaction
Regno	Number	registration number
Fname	Number	first name
Sname	Number	second name
id card no	Number	national id card number
Nationality	Text	nationality
Linen	Text	linen of the clothe ironed
Type	Text	type of cloth i.e. trousers,
		skirt,etc
Charges	Currency	ironing charges
Payment	Text	mode of payment
Number of clothes	Number	number of clothes
Amount charged	Currency	amount charged for ironing
Total amount	Currency	total amount
Rcpt no	AutoNumber	receipt number



3.37 Transport table.

Field name	Data type	description	
Date	Date/Time	date of transaction	
Regno	Number	registration number	
Fname	Number	first name	
Sname	Number	Surname	
id card no	Number	national id card number	
Vehicle	Text	vehicle used	
Nationality	Text	Nationality	
Payment	Text	mode of payment	
Charges	Currency	charges for each vehicle	
Commission	Currency	commission on payment in	
		foreign currency and cheque	
Total amount	Currency	total chares for transport service	
Rcpt No	AutoNumber	receipt number	
3.38 Ambulance table	l		
Field name	Data type	description	
Date	Date/Time	date of transaction	
Туре	Text	Guest type	
Fname	Number	First name	

Sname	Number	second name
Regno	Number	registration number
amblreg no	Text	ambulance registration
		number
duration(days)	Number	duration of using the
		ambulance charges
Charges	Currency	Ambulance charges
Payment	Text	mode of payment
Rcpt no	AutoNumber	receipt number

Field name	Data type	description	
date	Date/time	date of transaction	
Fname	Number	first name	
Sname	Number	organizer's second name	
Regno	Number	registration number	
id card no	Number	national id card number	
duration(hrs)	Number	duration of the conference	
hall no	Number	hall number	
Charges	Currency	conference charges	
Payment	Text	mode of payment	
Rcpt no	Auto number	receipt number	

3.310 Sporting table

Field name	Data type	description
Date	Date/time	date of transaction
Type	Text	type of guest
Fname	Number	first name
Sname	Number	second name
Regno	Number	registration number
Nationality	Text	Nationality
sport activity	Text	sporting activity
Facilities	Memo	facilities used



	T		
Duration	Number	duration for the sporting	
		activity	
Charges	Currency	sporting charges	
Payment	Text	mode of payment	
Total amount	Currency	total charges	
Rcpt no	auto number	receipt number	
3.311 Swimming pool table			
Field name	Data type	description	
Date	Date/time	type of guest	
guest type	Text	registration number	
Regno	Number	first name	
Fname	Number	second name	
Nationality	Text	Nationality	
duration(hrs)	Number	swimming duration	
Charges	Currency	swimming charges	
Payment	Text	mode of payment	
no of guests	Number	number of guests	
Total amount	Currency	Total amount	
Rept no	Auto number	receipt number	
3.312 Employees details table			
Field name	Data type	description	
staff no	Number	the employees staff number	
staff names	Text	full names of the staff member	
Contacts	Number	mobile phone number of the	
		employee	
id card no	Number	national identity card number	
		of the staff member	
Address	Memo	post box address of the	
		employee	
Email	Hypertext	email address of the employee	
office number	Number	employee office number a the	
		hotel	
office tel	Number	the office phone number	

department	text	the department under which		
		the employee is working		
Position	Memo	employee position		
account no	Memo	employee account number		
salary	number	Salary		

3.4Output design

The system will use reports to output the information. The reports shall be created from tables. The following reports shall be used:

3.41 Foreign guests

Date	Reg No	Fname	Sname	Gender	Id Card
					No
7/6/2009	6795	Jane	Jaoko	Female	5556
7/6/2009	6759	Melow	Luvinzisco	Female	25623

3.42 Local guests

Date	Reg No	Fname	Sname	Id Card No	Gender
7/6/2009	5642	Makern	Njoroge	52669	Male
7/6/2009	4365	Jack	Okoyo	125663	Male

3.43 Room serviced guests

Reg no	date	fname	sname	meal	Room	Room no
					service	
1562	7/6/2008	James	Kankokovic	Break fast	yes	1

3.5 Input design



forms:
3.51 Booking form
Date
regno
Fname
Sname
nationality
id card no
gender
Contacts
Address
email

The information will be input into the system by use of forms. The system has the following

3.52 Admission form

Regno	
Fname	



Sname	
Nationality	
id card no	
luggage	
in date	
out date	
room no	
3.53 Accommodation form	
Fname	
Fname Sname	
Sname	
Sname Id card no	
Sname Id card no Room no	
Sname Id card no Room no Category	
Sname Id card no Room no Category Charges	
Sname Id card no Room no Category Charges Rcpt no	
Sname Id card no Room no Category Charges Rcpt no payment	
Sname Id card no Room no Category Charges Rcpt no payment Amount charged	

3.54 Meals form

Regno	
Fname	_



Sname	
Id card no	
Room no	
Category	
Charges	
Rcpt no	
Payment	
Amount charged	
Nationality	
Total charge	
3.55 Laundry form	
Date	
Fname	
Sname	
Regno	
id card no	
Linen	
Type	
Charges	
Payment	
Nationality	
Number of clothes	
Amount charged	
Total amount	
Rcpt no	
	<u> </u>
3.56 Ironing form	
Date	
Regno	_



Fname	
Sname	
id card no	
Nationality	
Linen	
Type	
Charges	
Payment	
Number of clothes	
Amount charged	
Total amount	
Rcpt no	
3.57 Transport form	
Date	
Regno	
Fname	
Sname	
id card no	
Vehicle	
Nationality	
Payment	
Charges	
Commission	
Total amount	
Rcpt No	
3.58 Sporting form	
Date	
Type	
Fname	
Sname	•



3.59 Swimming pool form

date		
Fname		
Sname		
Regno		
id card no		
duration(hrs)		
hall no		
Charges		
Payment		
Rcpt no		
	1	



3.510 Ambulance form Date TypeFname Sname Regno amblreg no duration(days) Charges Payment Rcpt no 3.511Empployee details form staff no staff names Contacts id card no Address Emailoffice number office tel department Position account no salary 3.512 Conference form Date



guest type
Regno
Fname
Nationality
duration(hrs)
Charges
Payment no
of guests
Total amount
Rcpt no

3.6 Storage design

This sub-topic outlines and explains the files, file organization methods and the storage devices required for storage of the information at the hotel.

3.61 Files used

- Master file: This involves relatively permanent files such as the employee details files and the guest files.
- Transaction files: This includes accounts, guest orders and payment details.
- Report file: This consists of the departmental reports on their daily transactions

3.62File organization methods

Direct file access organization method will be used. This is to enable fast and efficient access and retrieval of information from the system by authorized users.

3.63 Storage devices

The files with the highly valuable information to the hotel are to be securely stored in a hard disk of not less than 80 gigabytes. Back up will be done using a 50 gigabytes hard disk that should be secure from any data security threats. The area of backing up should be very far away from the hotel premises. The data storage room temperature should be maintained to as low temperatures as 283 Kelvin.

3.7 Processing requirements

To realize the targeted achievements at the hotel the system will require the

following necessities. Although at a high cost, the benefits are outstanding.

3.71 Type of computers

It's highly advised that the most convenient computers to be used should be minicomputers

from authorized dealers most advisedly DELL. This will ensure maximum compatibility, user

friendliness, and reliability.

3.72 Operating system

The system analyst advices that the hotel should install WINDOWS VISTA with an OFFICE

2007 package to realize the maximum potential of the system. The operating system's high

functionality value and the big deal of beneficial tools prompted the system analyst to

recommend it as the most advantageous operating system.

3.73 Data processing modes

Online data processing mode shall be applicable with the room booking, hall reservation

and guest orders replies.

Batch processing shall be applied at accounts department to generate daily reports for the

hotel transactions.

3.74 Networking requirements

Since ensuring efficient and reliable communication at the hotel is one of the objectives of the

system, the system will rely on a network. It's recommended that fibre optic cable be used to

connect the computers. This is because; the cable is immune to tapping, fast data rates and

high bandwidth.

3.75 Minimum hardware requirements

Requirements

2-80GB hard disks

Computer memory of >1.5GB and processor speed of 3.0GHz

Windows vista operating system

Input devices: Keyboards, Mouse, An OMR



Output devices: Flat panel monitors, speakers, Printers

3.8 System controls, backup and security

3.81 Protection from viruses

Installation and frequent updating of latest Antivirus programs is recommended to ensure the most security against viruses.

3.82 Data security measures

During data transmission data should be encrypted and decrypted at the back up centre. Access privileges shall be enacted to control access of users to valuable data and information to uphold data security.

Burglar proof windows should be installed on data storage and backup rooms.

Guards should be employed to watch over both hardware and software resources at the hotel.

Alarm systems should be installed to detect and alarm the security of unauthorized entry into the information storage rooms.

Direct capture (CCTV) cameras should be used for surveillance at the hotel.

3.83Audit trial

Serious study and –revision of the system has been –done, checking for any loophole which could be a possible weak point into the hotel management system.

3.84 log files

The logs files shall be used to keep record on which employee accessed the system at what time what the employee accessed and modified.

The employees shall only access the system resources using their passwords.

3.85 Policies

The system analyst recommends that the hotel management should enforce the following policies:

- No transfer of guest information from the system at any time under any circumstances without written permission from the management.
- No opening of any mail attachment without scanning for viruses and threats
- . No use of diskettes within the hotel.



3.9 Normalization

Table	Field name
Accommodation	• Fname
client	• Sname
	• Id card no
	• Room no
	• Category
	• Charges
	• Rcpt no
	• payment
	Amount charged
	nationality
	• Total charge
Restaurant customer	• Regno
	• Fname
	• Sname
	• Id card no
	• Room no
	 Category
	• Charges
	• Rcpt no
	Payment
	• Amount charged
	 Nationality
	• Total charge
Laundry customer	• Date
	• Fname
	• Sname
	• Regno
	• id card no

	• Linen
	 Type
	Charges
	 Payment
	 Nationality
	 Number of clothes
	• Amount charged
	• Total amount
	• Rcpt no
Ironing customer	• Regno
	 Fname
	 Sname
	• id card no
	 Nationality
	• Linen
	 Type
	Charges
	Payment
	 Number of clothes
	• Amount charged
	• Total amount
	• Rcpt no
Transport customer	• Date
	• Regno
	• Fname
	• Sname
	• Rcpt No
	• id card no
	• vehicle
	• Nationality,
	*



	• payment,
	• Charges,
	• commission,
	• Total amount
Ambulance customer	• date,
	• type,
	• fname,
	• sname,
	• regno,
	• amblreg no,
	• duration (days),
	• charges,
	• payment,
	• Rcpt no
Conference guest	• date,
	• type,
	• fname,
	• sname,
	• regno,
	• amblreg no,
	• Rcpt no, duration(days),
	• charges,
	payment
Swimming pool facility	• date,
guest	• guest type,
	• regno,
	• sname,
	• Nationality,
	• duration(hrs),
	• charges,
	• payment,
	• no of guests,



	• Total amount,
	• Rcpt no
sporting facility	• date,
guests	• Rcpt no,
	• Total amount,
	• payment,
	• charges,
	• duration,
	• facilities,
	• sport activity,
	• Nationality,
	• regno,
	• sname,
	• fname,
	• type

4.0 SYSTEM CONSTRUCTION

The system analyst used the following database components to construct the system:

- Tables
- Queries
- Forms
- Reports
- Macros

4.1 Tables



The system analyst created tables for both data entry and storage. The tables are:

- 1. accommodation table
- 2. meals table
- 3. laundry table
- 4. ironing table
- 5. transport table
- 6. booking table
- 7. admission table

- 8. sporting table
- 9. swimming pool table
- 10. conference table
- 11. employee details table
- 12. ambulance table

4.2 Queries

The system analyst used queries to filter data and update tables with calculations performed using expression builders. The following are the queries:

- select queries
 - 1. local guests query
 - 2. foreign guests query
 - 3. room service guests

- update queries
 - 1. meals
 - 2. accommodation
 - 3. laundry
 - 4. ironing
 - 5. transport
 - 6. sporting
 - 7. ambulance
 - 8. swimming pool
 - 9. conference

4.3 Forms

The system analyst created forms from tables. The forms shall be used to enter data and records into the system. The following forms have been used:

- 1. Booking form
- 2. Admission form
- 3. Accommodation form
- 4. 34 Meals form



- 5. Laundry form
- 6. Ironing form
- 7. Transport form
- 8. Sporting form
- 9. Ambulance form
- 10. Swimming pool form
- 11. Employee details form

4.4 Reports

The system has the following reports; the reports are generated from tables.

- 1. Ambulance
- 2. Meals
- 3. Accommodation
- 4. Laundry
- 5. Ironing
- 6. Transport
- 7. Sporting
- 8. Conference
- 9. Swimming
- 10. local guests
- 11. Foreign guests
- 12. Room service guests

4.5 Macros

The macros are used to perform repetitive operations in the database. The following macros have been used:

4.51 Update tables macro

The system analysis constructed this macro to run the update queries. The update queries update all the calculated records into the tables.

4.52 Run update tables macro

The macro runs the update table's macro fifty times in order to update all the records at a go

. After updating the macro displays a text message 'DATABASE UPDATED'

N.B Before running the macros by using the tab on the switchboard the user should remember to;

- 1. Go to tools menu
- 2. Select options command



- 3. Select generals
- 4. Uncheck the action queries button
- 5. Close the dialog box

4.6 VBA CODES

The following are the codes created by the system analyst to construct the system:

4.61 Accommodation code

Private Sub save record Click ()

On Error Go To Err save record Click

DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, acMenuVer

70 Exit save record Click:

Exit Sub

Err_save_record_Click:

MsgBox Err.Description

Resume Exit_save_record_

Click End Sub

4.62 meals code

Option Compare Database

Private Sub Command29 Click()

On Error GoTo Err_Command29_

Click DoCmd.GoToRecord, acNewRec

Exit Command29 Click:

Exit Sub

Err Command29 Click:

MsgBox Err.Description Resume

Exit Command29 Click End

Sub

Private Sub Command30 Click ()

On Error GoTo Err Command30 Click

DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, acMenuVer

70 Exit Command30 Click:

Exit Sub

Err Command30 Click:

MsgBox Err.Description Resume

Exit Command30 Click



End Sub

Private Sub Command31_Click ()

On Error GoTo Err_Command31_Click

DoCmd.Close

Exit_Command31_Click:

Exit Sub

Err_Command31_Click:

MsgBox Err.Description

Resume Exit_Command31_Click

End Sub

Private Sub Command32_Click()

On Error GoTo Err_Command32_Click

DoCmd.Close

Exit_Command32_Click:

Exit Sub

Err_Command32_Click:

MsgBox Err.Description

Resume Exit_Command32_Click

End Sub

4.63 transport code

Option Compare Database

Private Sub CLOSE_FORM_Click ()

On Error GoTo Err_CLOSE_FORM_Click

DoCmd.Close

Exit_CLOSE_FORM_Click:

Exit Sub

Err_CLOSE_FORM_Click:

MsgBox Err.Description

Resume Exit_CLOSE_FORM_Click

End Sub

Private Sub Command29_Click ()

On Error GoTo Err_Command29_Click

DoCmd.GoToRecord, acNewRec



```
Exit Command29 Click:
  Exit Sub
Err_Command29_Click:
  MsgBox Err.Description
  Resume Exit_Command29_Click
  End Sub
Private Sub Command30_Click ()
On Error GoTo Err_Command30_Click
  DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, acMenuVer70
Exit_Command30_Click:
  Exit Sub
Err_Command30_Click:
  MsgBox Err.Description
  Resume Exit Command30 Click
  End Sub
                                    3.64 Laundry code
Option Compare Database
Private Sub Command31_Click ()
On Error GoTo Err_Command31_Click
  DoCmd.GoToRecord, acNewRec
Exit_Command31_Click:
 Exit Sub
Err_Command31_Click:
  MsgBox Err.Description
  Resume Exit_Command31_Click
  End Sub
Private Sub Command32 Click ()
On Error GoTo Err_Command32_Click
  DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, acMenuVer70
Exit_Command32_Click:
  Exit Sub
Err_Command32_Click:
  MsgBox Err.Description
  Resume Exit Command32 Click
```



```
End Sub
Private Sub Command33_Click ()
On Error GoTo Err_Command33_Click
  DoCmd.Close
Exit_Command33_Click:
  Exit Sub
Err_Command33_Click:
  MsgBox Err.Description
  Resume Exit Command33 Click
  End Sub
                                     3.65 ironing code
Option Compare Database
Private Sub Check36_Click ()
End Sub
Private Sub Command30_Click ()
On Error GoTo Err_Command30_Click
  DoCmd.GoToRecord, acNewRec
Exit_Command30_Click:
  Exit Sub
Err_Command30_Click:
  MsgBox Err.Description
  Resume Exit Command30 Click
  End Sub
Private Sub Command31_Click ()
On Error GoTo Err_Command31_Click
  DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, acMenuVer70
Exit Command31 Click:
  Exit Sub
Err_Command31_Click:
  MsgBox Err.Description
  Resume Exit_Command31_Click
  End Sub
Private Sub Command32_Click ()
On Error GoTo Err_Command32_Click
```



DoCmd.Close Exit_Command32_Click: Exit Sub Err_Command32_Click: MsgBox Err.Description Resume Exit_Command32_Click End Sub 3.66 sporting form code **Option Compare Database** Private Sub Command25_Click () On Error GoTo Err_Command25_Click DoCmd.GoToRecord, acNewRec Exit_Command25_Click: Exit Sub Err_Command25_Click: MsgBox Err.Description Resume Exit_Command25_Click End Sub Private Sub Command26_Click () On Error GoTo Err_Command26_Click DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, acMenuVer70 Exit_Command26_Click: Exit Sub Err_Command26_Click: MsgBox Err.Description Resume Exit Command26 Click End Sub Private Sub Command27_Click () On Error GoTo Err_Command27_Click DoCmd.Close Exit_Command27_Click: Exit Sub Err_Command27_Click: MsgBox Err.Description



3.66Ambulance code

Option Compare Database

Private Sub Command25_Click ()

On Error GoTo Err_Command25_Click

DoCmd.GoToRecord, acNewRec

Exit_Command25_Click:

Exit Sub

Err_Command25_Click:

MsgBox Err.Description

Resume Exit_Command25_Click

End Sub

Private Sub Command26 Click ()

On Error GoTo Err_Command26_Click

DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, acMenuVer70

Exit_Command26_Click:

Exit Sub

Err_Command26_Click:

MsgBox Err.Description

Resume Exit_Command26_Click

End Sub

Private Sub Command27_Click ()

On Error GoTo Err_Command27_Click

DoCmd.Close

Exit_Command27_Click:

Exit Sub

Err_Command27_Click:

MsgBox Err.Description

Resume Exit_Command27_Click

End Sub

3.67 swimming pool code

Option Compare Database

Private Sub Command29_Click ()



```
On Error GoTo Err Command29 Click
  DoCmd.GoToRecord, acNewRec
Exit_Command29_Click:
  Exit Sub
Err_Command29_Click:
  MsgBox Err.Description
  Resume Exit_Command29_Click
  End Sub
Private Sub Command30_Click ()
On Error GoTo Err_Command30_Click
  DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, acMenuVer70
Exit_Command30_Click:
  Exit Sub
Err Command30 Click:
  MsgBox Err.Description
  Resume Exit_Command30_Click
  End Sub
Private Sub Command31_Click ()
On Error GoTo Err_Command31_Click
  DoCmd.Close
Exit_Command31_Click:
  Exit Sub
Err_Command31_Click:
  MsgBox Err.Description
  Resume Exit_Command31_Click
  End Sub
3.68 conference form code
Option Compare Database
Private Sub add_record_Click ()
On Error GoTo Err_add_record_Click
  DoCmd.GoToRecord, acNewRec
Exit_add_record_Click:
  Exit Sub
Err_add_record_Click:
```



MsgBox Err.Description Resume Exit_add_record_Click End Sub Private Sub Command25_Click () On Error GoTo Err_Command25_Click DoCmd.DoMenuItem acFormBar, acRecordsMenu, acSaveRecord, acMenuVer70 Exit_Command25_Click: Exit Sub Err_Command25_Click: MsgBox Err.Description Resume Exit_Command25_Click End Sub Private Sub CLOSE_FORM_Click () On Error GoTo Err_CLOSE_FORM_Click DoCmd.Close Exit_CLOSE_FORM_Click: Exit Sub Err_CLOSE_FORM_Click: MsgBox Err.Description Resume Exit_CLOSE_FORM_Click End Sub



5.0 SYSTEM TESTING AND DEBUGGING.

The system analyst used the following test data to check for errors from the system:

4. Normal data

This is the correct and valid data that was input into the database. The system accepted the data and updated the tables appropriately. The following is an example of normal data entered without any error text message displayed by the system:

• Normal data from accommodation form

	ABC HOTEL ACCOMMODATION FORM								
PERSONAL D	DETAILS		ROOM DET	AILS		ACCOUNTS D	ETAILS		
regno		4365 🗸	room no:		8 🕶	payment:	cheque	~	
id card no		125663 🗸	category:	DOUBLEROOM BREA	KFAST 🔻	Total charge		3,349.50	
fname	Marknon	~				Rept no:		5	
sname	okoyo	~							
Nationality:	foreign	v							
				Create record]				
				Close Form					
				Save Record					

5. Exceptional data

The system analyst used invalid data to test whether the system obeyed the syntax of the program. The following is an example of exceptional data used by the analyst:

• Exceptional data from accommodation form. When an data that is not part of the list in the record is entered, the system displays the following error message:



6. Extreme data

The system analyst used extreme data to test whether the system obeyed the validation rules and displayed the validation text. The following is an example of a form with validation rule and text:

• Accommodation form illustrating detection of extreme data. When number of clothes entry is more than 50, the system display the following validation text:





6.0 SYSTEM IMPLEMENTATION

This is a phase in which the system analyst did an evaluation of the changeover method that should be used to switch from present manual system to the developed computerized system. After a close analysis the analyst came up with parallel changeover method as the most appropriate for the system. Parallel method is whereby the computerized system will run concurrently with the manual system before discarding the manual system. Although expensive the changeover method will prove to be the most efficient because:

- Parallel changeover provides time for one the database administrator to update all the guest files before a total changeover to the new system.
- It's possible to troubleshoot any errors arising from loading process without affecting the hotel's transactions as the manual system will still be in place to carry out the hotel activities smoothly.
 - Provides time for employees to learn and adapt to the new system.
- Lowers the risk to the management in case of a technical hitch or breakdown as the manual system will still be in place as the analyst fixes the technical hitch.

7.0 USER MANUAL

This phase outlines what the user needs to maximize the potential of the system and how to use the system.

Instillation requirements

- Operating system- Windows XP or
- Vista Microsoft office 2007 or 3003
- package 3 GHz processor
- 512 MB RAM
- 80 GB hard
- disk DVD/CD
- drive Antivirus

Loading procedure

The computer technician should use the following procedure to load the system unto the hotel's computers:

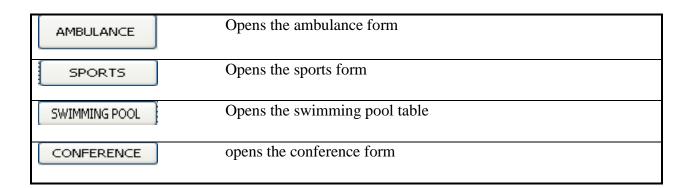
- Copy the ABC hotel management system directory unto the hard disk drive from the CD
- . Double click on the directory to open the folder.
- In the folder, double click on the ABC hotel access project icon to open the system
- . Click YES in the dialog box that appears to display the system's objects.
- Select the forms object.
- Double click the ABC Hotel main switch board.

From the main switch board the user can access the other forms.

Navigation guide

The system analyst used the following navigation tabs to help the system accomplish its activities more efficiently.

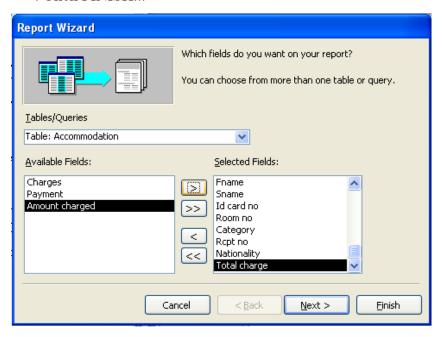
NAVIGATION BUTTON	ACTIVITY PERFORMED
MAIN SERVICES	Opens a form that displays accommodation, transport, meals,
	laundry, ironing services tabs
[BOOKING]	Opens the booking form
EMPLOYEES	Opens the employees form
ADMISSION	Opens the admission form
FACILITIES	Opens a form containing ambulance, sporting, swimming pool
	and conference form opening tabs
UPDATE ENTRIES	Opens the Run update tables macro
EXIT HOTEL MANAGEMENT SYSTEM	Closes the switchboard form
ACCOMMODATION	Opens the accommodation form
TRANSPORT	Opens the transport form
IRONING	Opens the ironing form
LAUNDRY	Opens the laundry form
MEALS	Opens the meals form
Create record	Creates an empty space for entry of new records
Close Form	Closes a form
Save Record	Saves a record
CREATE NEW ENTRY	Creates an empty space for entry of new records
ADMIT IN	Books in new guests
BACK TO SWITTCHBOARD	Return the user to the switch board



Report generation procedure

Reports are generated from both tables and queries. For a user to accomplish this he/she should follow the following procedure:

- 1. From the system database window, select the REPORT object.
- 2. Click on CREATE REPORT BY USING WIZARD then click on the DESIGN command.
- 3. In the wizard dialog box, select the TABLE/QUERY to create report from.
- 4. Move the records you want to appear in the report from the left column into the right column . Click FINISH...



5. Wait as the report wizard finishes creating the report. It displays the report in the print preview mode. You can print the report.



8.0 CONCLUSION

With the mandate from the Kenya National Examination Council, to develop a system that would computerize the ABC hotel activities, the system analyst has been able to come to a successful end of a journey that has seen him through ups and downs, hills and valleys that even seemed impossible to climb. By God's grace the system analyst has accomplished the dreams that he had when he wrote down the objectives of this system. As he concludes, he is grateful that the system will be able to serve its intended purpose and meet its objectives to the satisfaction of the hotel management, the staff and guests.

9.0 **RECOMMENDATIONS**

For the system to function to its best capability, the analyst recommends the following:

- 1.0 Networking of the hotel's computers to enable data communication at the hotel.
- 2.0 The hotel server be connected to the internet. In addition the hotel should have a web site onto which the booking page will be loaded to enable online booking over the internet.
- 3.0 The system should be troubleshoot and updated to maintain the high competence standards of the system. This is because, being a system, the ABC HOTEL MANAGEMENT SYSTEM is bound to undergo system entropy.
- 4.0 High security measures should be upheld in order to avoid theft crimes at the hotel.
- 5.0 The latest versions of antivirus be installed and updated frequently in order to detect the many virus programs that are emerging daily in the IT society.
- 6.0 Every employee of the hotel is identified uniquely by a user name and password to his/her office computer.

10.0 GLOSSARY

The following is a list of abbreviations used in the documentation and their full forms.

1. KSH Kenya shillings

2. regno registration number

3. *fname* first name

4. *sname* second name

5. *id card no* identity card number

6. *email* electronic mail

7. *Room no* room number

8. *ext* extension

9. *Rcpt no* receipt number

10. *amblreg no* ambulance registration number

11. hrs hours

12. *tel* telephone

13. ICT Information communication technology

14. KNEC Kenya national examination council

15. etc et cetera

16. GHz gigahertz

17. MB megabytes

18. RAM random access memory

19. GB gigabytes

20. CD compact disk

21. DVD digital versatile disk

22. ILRI international livestock research institute

23. Dr doctor

11.0 BIBLIOGRAPHY

The analyst's journey would have never realized its destination had the resources listed below been unavailable. The below mentioned have shaped the destiny of this project, either directly or indirectly:

• Mr. David B. Oniang'I ILRI

• Mr. Simon Mbaluka Utumishi Academy

• Mrs. Mary Gathoni computer programmer-Kenyatta University

Miss. Jane Koech
 System analyst-Mwananchi online

The following books played a vital role throughout the system development stage, giving a guideline to the analyst whenever he went wrong:

BOOK TITTLE AUTHOR

• Longhorn Computer studies Book 3 and Book 4 G. Chemwa and S. Mburu

• Dr. Onunga computer studies bk3 &bk 4 Dr. Onunga

• High Flier Revision Series



12.0 APPENDICES.

12.1 Data gathering tools

The following is a copy of a questionnaire used to collect data from the employees:

4	EMPLOYEES QU	ÆSTIONN	AIRE	
NAMES:		DATE:		
DEPARTMENT:		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
<u>Introduction:</u> The hotel manaş Your contribution to this p				
	Mark Bulum Utumishi Bo Po Box 20, Gilgil.			
 How long does it take to 20 minutes 	locate a guest file usir 30 mirontes	~	manual sy hour	stem?
2. How often does guests c Very often	omplain of their file n	•	Fon at all	
 How long are the queues Very long 	during checking in ar Long	_	s? hort	☐ Too short
NB Please tick the right bo	эх you. Tick only onc	€.		

12.2 Forms screen shots

12.21 Booking form

		HOTE KING FORM	L	Dat	e: 9/14/2009
PERSOI	NAL DETAILS	NATIONAL DETAILS		COMMUNICA:	TION DETAILS
Regno	1562	Nationality: foreign	~	email	javic@yahoo.com
Fname	James	ld card no	156	Contacts	17562
Sname	Kankokovic			Address	javic po box 1526
Gender	male 🔻				russia
Date	7/6/2009			BO	OOK IN THE ENTRY
CREAT	TE NEW ENTRY	BACK TO SWITCHBOAF	RD.		

12.22 Admission form





12.23 Accommodation form



12.24 Meals form



12.25 Laundry form





12.26 Ironing form

ABC HOTEL							
$IRONING\ FORM$							
PERSONAL DETAILS	CLOTHES DETAIL	s	ACCOUNTS DI	ETAILS			
date: 7/6/2009 regno 1562 v	linen	heavy	Total amount	1,575			
fname James	type	trausers	rept no:	1			
sname Kankokovic	Number of clothes:		payment: 5	foreign currency			
id card 156 ✓							
Nation local	Add Record	Save Record Close form					

12.27 Transport form



12.28 Sporting form





12.29 Conference form

				HO'.			9/14/2009
▶	date:		6/9/2019	5	ACCOUNTS DETA	AILS	
	fname	Makern	~		charges		10,500.00
	sname	Njoroge	~	-]	rept no:		1
		.,,2-			payment:	foreign currency	~
	regno		5642 🗸		CREATE N	IEW ENTRY	
	id card no		2663 🗸				,
	duration(hrs)		5 🗸]	SAVE	ENTRY	
	hall no			5	CLOS	E FORM	

12.210 Ambulance form

	ABC HOTEL								
	AMBULANCE FACILITY FORM								
P	PERSONAL I	DETAILS 7/6/2009	١	/EHICLE DETAILS		ACCOUNTS	DETAILS		
	type	individual V	amblreg no	kbb145c	~	charges		1,000.00	
	fname	James 🗸	duration(days)		1 🕶	Ropt no:		1	
	sname	Kankokovic 🔻	payment:	local currency	~				
	regno	1562 🗸							
	CREATE	E NEW ENTRY	CLOSE AM	MBULANCE FORM			SAVE ENTRY		

12.211 Swimming pool form





12.212 Employee details form

ABC	HOTEL							
EMPLOYEI	E DETAILS FORM	1						
PERSONAL DETAILS	EMPLOYMENT DETAILS	COMMUNICATIO	N DETAILS					
staff no 1005	departmen Account	contacts	603056					
id card no 1589896	position Senior accountant	adress	Melvin Ndururi					
Staff names Melvin Ndururi	salary 54,000.00		po box 1587 Ruaraka					
account no 15623	office num 6596							
residence Ruaraka		mobile no	72523602					
CREATE NEW ENTRY		email	melvinndururi@yahoo.com					
		office tel	15629					
			SAVE ENTRY					
	BACK TO SWITCHBOARD							

12.3 Reports screen shots

1. Accommodation report



Accommodation

Regno	Fname	Sname	Id card n	Room no	Rept no	Total charge
1562	James	Kankokovic	156	1	3	5,890.50
1666	Peter	Okada	598896654	7	10	4,500.00
1884	Mark	Buluma	1884	4	2	6,300.00
1991	Consolata	Achieng	59863265	10	9	5,100.00
2663	Anthony	Momanyi	2663	9	6	3,045.00
4365	Marknon	okoyo	125663	8	5	3,349.50
6234	Marknon	Melagny	5623	8	8	5,890.50
6235	Jeanings	Otaman	5656	7	1	3,349.50
6759	Marknon	Melagny	5623	3	4	4,966.50
6795	Mellow	Joyce	5556	3	7	5,610.00

2. Meals report

Meals table

date	regno	fnane	sname	Meal	otal amow R	oom service	Rcpt no
6/15/2009	2663	Anthony	Momanyi	breakfast	1,000.00	no	2
7/6/2009	1562	James	Kankokovic	bæakfast	1,155.00	yes	1
8/8/2009	6795	Jame	Jaoko	lunch	735.00	yes	3

3. Laundry report

Laundry

date	fname	sname	regno	linen	type	Number of clothe	s Total amount	Rept no
5/1.5/2009	Mellow	Livirsisco	6795	light	skirts	S	550.00	2
7/6/2009	James	Kankokovic	1562	heavy	trausers	6	2,079.00	1
8/8/2009	Peter	Okada	1666	light	shorts	1	100.00	3

4. Ironing report

Ironing

date re	egno	fname	sname	linen	type	r of clothes	amount	Rcpt no
7/6/2009	1562	James	Kankoko	vic heavy	trausers	S	1,575	1
6/15/2009	2663	Anthony	Momanyi	medium	t-shirts	2	400	2



5. Transport report

transport

Date	Regno	Fname	Sname	vehicle	otal amount	Rcp t No
5/15/2009	1884	Mark	Buluma	landrover	5,250.00	1
5/16/2009	1965	Mary	Joyce	bmw	3,465.00	2

6. Sporting report

Sporting

date	type	fname	sname	regno	sport activity	otal amo w	Rcpt no
7/6/2009	individual	Jeanings	Otaman	6235	terrris	693.00	2
7/7/2009	individual	Mark	Buluma	1884	tenris	400.00	1
8/8/2009	individual	Mary	Buluma	9999	Chess	1,200.00	6
8/8/2009	individual	Peter	Okada	1666	Termis	800.00	5
8/9/2009	individual	Consolata	Achieng	1991	Javiline	1,000.00	3
8/10/2009	group	David	Oniangʻi	4444	squæh	462.00	4

7. Conference report

Conference

date	fname	зна те	regno	duration(hrs	hall no	c harges	Rept no
7/6/2009	Mary	Joyce	1965	5	1	10,500.00	4
7/6/2009	Mark	Buluma	1884	6	12	12,000.00	3
7/6/2009	Jack	Momanyi	2663	4	15	8,400.00	2
8/8/2009	David	Oniang'i	4444	5	6	10,500.00	5
6/9/2015	Makem	Njoroge	5642	S	S	10,500.00	1

8. Swimming report



Swimming pool facility

date	guest typ e	regno	fname	sname	o of gues	otal amow	Rept no	
7/6/2009	individual	6235	Jeanings	Otaman	1	866.25	1	
6/7/2009	individual	1884	Mark	Buluma	1	500.00	2	
8/8/2009	group	6666	Mary	Buluma	5	1,443.75	3	

9. local guests

LOCAL GUESTS

regno	fname	sname	nationality	id card no	gender
5642	Makem	Njoroge	lo cal	52669	male
4365	Jack	okoyo	lo cal	125663	male
2663	Anthony	Momanyi	lo cal	2663	male
1884	Mark	Buluma	lo cal	1884	male
9999	Mary	Buluma	local	999999999	female
8888	Sospeter	Odhiambo	lo cal	88888888	male
5230	Benson	Gitau	local	15623	male
	5642 4365 2663 1884 9999 8888	5642 Makern 4365 Jack 2663 Anthony 1884 Mark 9999 Mary 8888 Sospeter	5642 Makern Njoroge 4365 Jack okoyo 2663 Anthony Momanyi 1884 Mark Buluma 9999 Mary Buluma 8888 Sospeter Odhiambo	5642 Makern Njoroge local 4365 Jack okoyo local 2663 Anthony Momanyi local 1884 Mark Buluma local 9999 Mary Buluma local 8888 Sospeter Odhiambo local	5642 Makern Njoroge local 52669 4365 Jack okoyo local 125663 2663 Anthony Momanyi local 2663 1884 Mark Buluma local 1884 9999 Mary Buluma local 999999999 8888 Sospeter Odhiambo local 888888888

10. Foreign guests

FOREIGN GUESTS

Date	regno	fname	sname	nationality	id card no	gender
7/6/2009	6795	Jane	Jaoko	foreign	5556	female
7/6/2009	6759	Mellow	Luvinsisco	foreign	25623	female
7/6/2009	6235	Jeaning	Otaman	foreign	5656	male
7/6/2009	6234	Markno	Melagny	foreign	5623	male
7/6/2009	1965	Mary	Joyce	foreign	15698	female
7/6/2009	1562	James	Kankokovic	foreign	156	male
8/6/2009	20000	Morris	Mumbai	foreign	258963	male
8/8/2009	7777	Maria	Audrey	foreign	7777777	female
8/8/2009	6666	Michael	John	foreign	666666666	male
8/8/2009	5555	Agnes	Nabwire	foreign	555555555	female
8/8/2009	4444	David	Oniangʻi	foreign	44444444	male
3/25/2009	2450	Meshac	Omondi	foreign	890980	male

11. Room service guests



ROOM SERVICE GUESTS

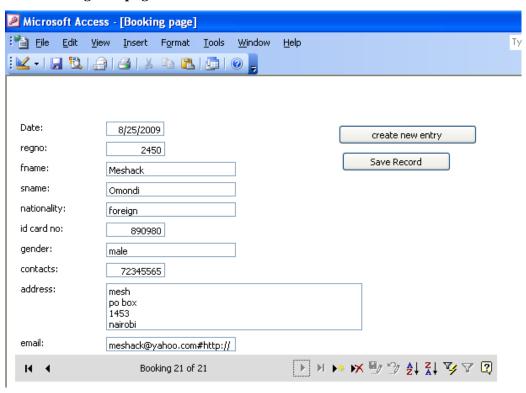
гедно	regno date fnane		fnane	sname	Meal	Room service	Room no
	1562	7/6/2009	James	Kankokovic	breakfast	yes	1
	6795	8/8/2009	Jane	Jaoko	lunch	yes	3

12. Ambulance report

Ambulance

date	type	fname	sname	гедно	amblreg n	duration(ıarges	Rept no
6/2009	individual	James	Kankokovic	1562	lbb 145e	1	1,000	1
9/2009	individual	Mark	Buluma	1884	kbаб67b	7	7,000	2
5/2009	Storb	Marknon	Melagny	6234	kau456u	6	6,300	3
8/2009	Stort	Jack	okoyo	4365	kau 456u	5	5,000	4

12.4 Booking web page screenshot



12.5 Macros shots

• Update tables macro



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• Run update tables macro

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