

RATIONAL CRUSADER: AN ONLINE LABORATORY PLATFORM

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Degree of Masters of Science in Computer Science and Engineering

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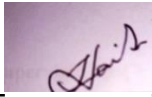


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APPROVAL

This Project/Thesis titled “**Rational Crusader: AN ONLINE LABORATORY MANAGEMENT**”, submitted by Michaela Caesario, ID No: 213-25-057 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of M.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 19-01-2021.

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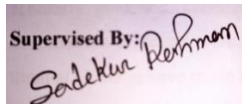


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I hereby declare that the project worked entitled “**Rational Crusader: AN ONLINE LABORATORY PLATFORM**” Submitted to the Daffodil International University, is a record of original work done me. Expect as acknowledged in the text and that the material has not been submitted, either in whole or in part for a degree at this or any other university.

A rectangular stamp with a pink background. It contains the text "Supervised By:" in a small, bold font, followed by a handwritten signature in black ink that reads "Sadekur Rahman".

Md. Sadekur Rahman

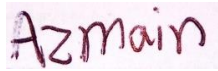
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ABSTRACT

The main goal of this “Rational Crusader: AN ONLINE LABORATORY PLATFORM” project is to make ensure student that, student could store his/her scientific data or scientific inventions or information in the website. In this project, we have two modules, Admin and User. Admin in this project “Rational Crusader: AN ONLINE LABORATORY PLATFORM” will log in with the default username and password, and admin has the authority to check if scientific information was right or wrong. Admin will also check the user provided scientific information is still unscientific or not. Then, the user will input her name, ID, Batch, Department, University, Scientific Information, email etc. After storing the information, if it would be unscientific, the admin would personally discuss with user why she had input unscientific result, then, she would sue her in the fact of no results. This application is created using the powerful and powerful PHP, HTML, CSS, and java Script database system MYSQL. I Apache server have used to display the web page, for data handling and strong. An Apache server has used to display the web, for instants a XAMPP server is used to do that. Finally, I hopeful that, the portal will be succeed for my and scientific user.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Nearly everyone goes on a holiday and a management system for laboratory would play a crucial part in personal scientific research. The system of laboratory management allows the system user to present their scientific information and their information relate to educational institute. By challenging poor practices and encouraging better research, to guarantee research always benefits national individuals. My website is aimed at managing your scientific research for your problem demands and add all of the values to your life expenses. I tend to focus on the requirements of customers to develop effective strategies to effectively meet their demands. My task is to provide scientific alternatives and make the beautiful world. Efficiency, flexibility and personal Touch Quality Service coupled with powerful buying benefits and money value. In order to attain complete customer satisfaction, I am dedicated to offering competitive value for research and high-level services. I want to satisfy and exceed the goals and objectives of all company customers, strive for excellence in quality, honesty, professionalism and value in everything I do. The Website provides option to mention some scientific research that can add value of our life as we need to think rationality. Through thorough market analysis, continuous product development, aggressive yield management and prudent financial risk tracking, I want my partners and myself to develop profitably in my nation.

1.2 Motivation

I am motivated by my beautiful four favorite foreign country: England, Israel, the USA and China. I am encouraged and motive to see difference type of scientific website like as wikipedia.com, scientific blogs like as 4f6h4nj3l381m1ch43l5c4354r10ph951c5.blogspot.com etc. This application maintenance is becoming more expensive. To make it's easy and user friendly with less cost.

1.3 Objectives

The aim of this project was to generate grounded theory on the extent to which the Semantic Web and related technologies can assist in creating, capturing, integrating and using accurate, consistent, timely and up-to-date web-based tourism information.

Specific Objective:

- The main goal of this project is to create it simple and convenient for the user to find the path. We have two modules in this project, Admin and User.
- My goal is to keep my vision to submit scientific information, concepts and positivity through coherent management, steered development and great engagement.
- Through ongoing investments in modern scientific concepts associated technology and quality assurance.
- The services I provide have a positive standard as well as Research method and concept proving, I invite you to share my vision and to take advantage of my knowledge, professionalism, flexibility, personalized strategy, powerful buying power [1].

1.4 Expected Outcome

I want to outcome serve my user with best possible service, other effects that happen as a result of my work and provide them the kind of comfort they want. I would also want to improve research way as users need without reducing joy or quality of concepts. People of all ages and background will come to enjoy the scientific and rational environment that my project solutions provide.

1.5 Report Layout

In chapter 2, presented my project background. I also briefed on the project's job, scope and difficulties. I indicated the project requirement in chapter 3. I described the use case, ER diagram and design specifications of the information flow diagram in the chapter. I also addressed the process of collecting and analyzing requirements. In Chapter 4, I stipulated the project's front end and back-end layout. I displayed the execution of the project as a whole and checked each part of the project climate that the

application is working as expected in Chapter 5 and scope of the project's further growth.

CHAPTER 2

BACKGROUND

2.1 Introduction

Most of I have spent a lot of time on the Internet in the few days or social media and most of the users. It's user's requirement to implement laboratory research store system in this site. Users' necessary share their scientific concept and research to be judged by teacher properly. In this circumstance, I thought that develop something new that can helpful for user and it could make their online research improving. That time when I start to design the platform, I always keep some fact in my knowledge that the design should be any scientific research for the students. Now students easily share their concepts and insure the make properly scientific. I do, I develop the entire feature that other do.

2.2 Related Works

It developed for scientific research more than and I think that's the low-cost service for teachers. The service that benefits from scientific students includes scientific information to input, scientific concept to share that could be useful and positive. Therefore, we believe that, online can be helpful spirit for knowledge and make their necessary of the requirements. The website "Rational Crusader" is a website which is provide the several nice places to online college laboratory in Bangladesh. In this website they have provide several options for college-level research. This website provides the tourist places of each and very district of Bangladesh.

2.3 Comparative Studies

Most of the user's college is select online to manage their scientific laboratory. Although those many online systems was not help for users properly to manage their scientific laboratory, because those are not developed according to user requirement perspective. It's is educational or necessary for my life features.

Comparison is at the core of much of the studies and analysis that has been carried out in most fields of social, economic and political life. Researchers create comparisons in

these areas of expertise into analyzes to investigate the variety of decisions accessible to studied communities.

In order to promote national and foreign scientific research in the nation, the government of Bangladesh should take needed steps to encourage students to have an option to have scientific concepts to be appreciated. This study shows the need for managers to know what motivates school and college students for research in Bangladesh from a managerial view.

So that I am interested to develop my “Online Laboratory Management System” project for develop my study system and make it more interactive. I think that my unique functionality can make tourists more interested on their tour and helpful.

2.4 Scope of the Problem

Concede to the current context of online laboratory system, I am interested in developing this type of system to make school-college-students more helpful in these sites. I already discuss that, there are educational scientific research of my website. It supports for the Rational Crusader’s entire user and must be properly used everyone online portal. The user can communicate easily and information their thought also. In this circumstance, I feel that, “Rational Crusader” could be helpful for scientific student to create their and rational concept to to spread. I hope, scientific students will easily accept my website for its unique useful feature helpful and it can make an online system based.

2.5 Challenges

Challenges are prevalent in performing an activity. Without a challenge, there is no job. I also confronted some difficulties in my project. Only up to a point, while weak Nation Branding is one factor, are there several others, including an absence of student appreciating, unappropriated students, and deceptive client service? The nation contains many of scientific student to have their scientific effort on the progress of Bangladesh and some unscientific students with the effort to back Bangladesh in the Stone Age.

CHAPTER 3

REQUIREMENT SPECIFICATION

3.1 Business Process Modeling

Modeling methods for business processes involve mapping and workflow to allow comprehension, evaluation and beneficial change. Modeling business processes is a technique for enhancing effectiveness and quality of the organization. Diagram is a key characteristic of the methodology [2]. Actually, I use figure to describe my business model. Explains how INP information is processed by a scheme. Firstly I draw context model in Figure 3.1.1. When she/he can submit his/her scientific concept or information with her quality research.

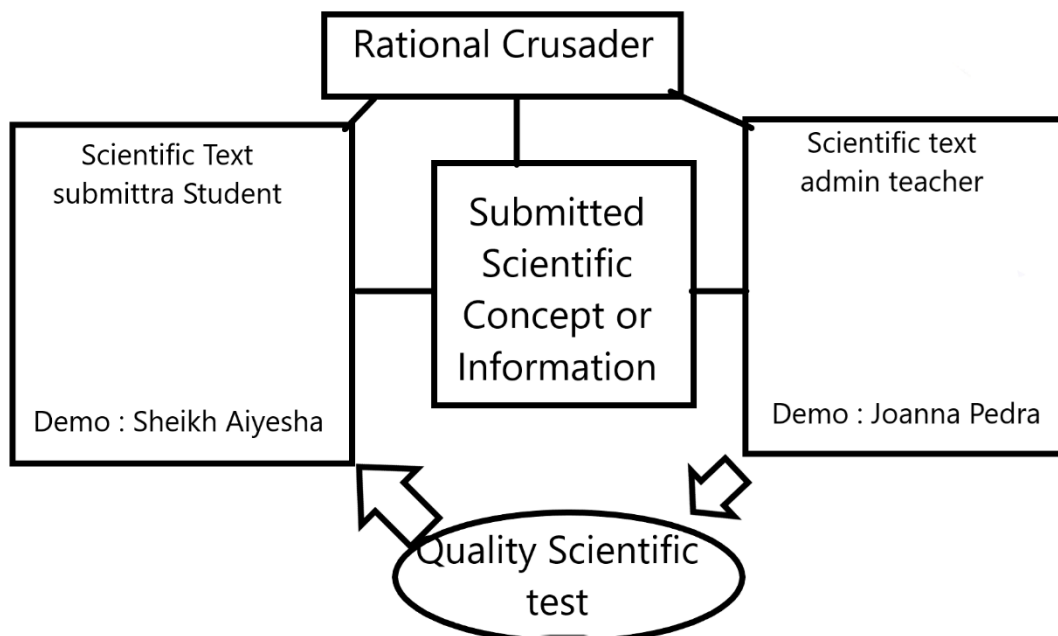


Figure 3.1: Business Process Model

3.2 Requirement Application

Collection and evaluation of requirements is one of the main stages of growth of applications. Some pre-requisites of the required scheme must be mounted first before installing the real software:-

- Operation system (windows 10)
- Anti virus
- XAMPP server

XAMPP server 7.0.9-0 has PHP 5.5.19 Apache 2.4.0, MYSQL 5.7.19. It has phpMyAdmin and Sqlitemanager.

3.2.1 DFD Symbols

The descriptions of each requirement are provided below:

- A square defines a system information source or destination.
- An arrow identification in movement information flow information. It is a pipeline that follows data.
- An open rectangle is a residual data store or temporary data repository.
- A diamond sign is a condition checker that checks the status of the method if any. ^[2]

A circle or bubble is a method where incoming data flows are transformed into outgoing data stream. Process display, data storage etc. in figure 3.2.1.

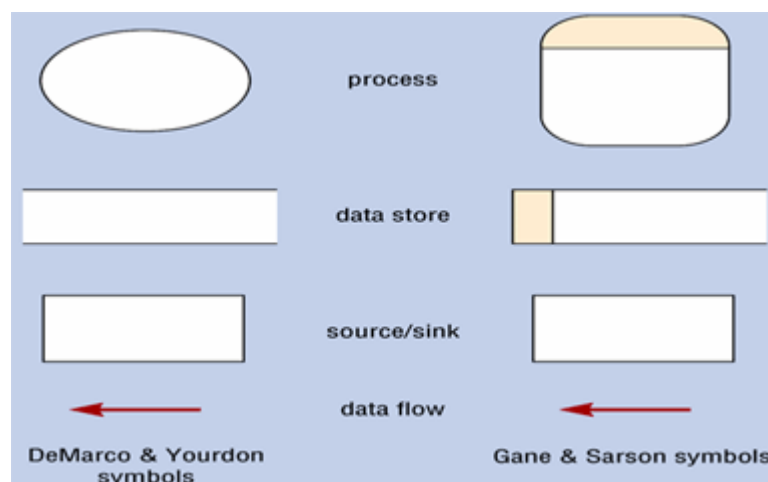


Figure 3.2: DFD Symbols

3.2 .2 Data Flow Diagram

A logical model is a fully assigned data model independent of DBMS, Technology, data storage, or organizational limitations. It typically defines business-as-usual information demands. Common methods of information modeling use a relational notation. There is no necessity to use relational technology to create the resulting information implementation. After this figure displaying user DFD diagram 3.2.2.

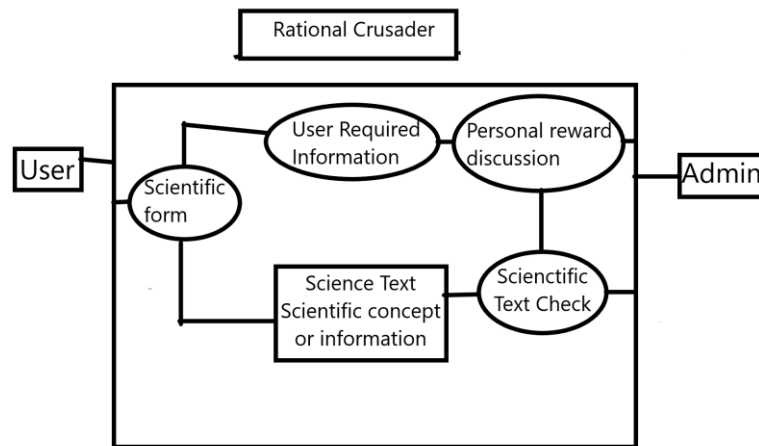


Figure 3.3: DFD Diagram

3.3 Use Case Modeling and Description

A use case is a description of how the system will be used by a consumer to achieve company objectives. It reflects a functional or system intervention. Cases of use are designated in the verb or verb+ noun sentence [3]. Use cases and actors are the two primary elements of an application case diagram. Any entity performing a function in a specified scheme is an actor in a use case diagram. I can see a use case and actor figure as follows using a use case model in figure 3.3.1.



Figure 3.4: Use Case.

Usually the model in figure 3.3.2 is brief but sufficiently descriptive to define a user goal. In my project, my users are college student and it was an online based system.

For instance, if a college student wishes to submit her scientific concepts or information, she must complete the requirement of Educational related personal information and the scientific text as scientific concepts or information. Others parts of admin would store scientific information and check it as confirm or not and if she would see that this science text information is not scientific, she can communicate with the

user why didn't she submit any scientific information. I can also document scenarios and between admin and visitor with primary flow, exceptional flow and condition flow, etc.

The customer requires logging in to the application in the suggested scheme and can locating the paths and reservations instantly and finishing the reservation process for a successful transaction. Following this Figure 3.3.3 showing administrator and operating user use case model.

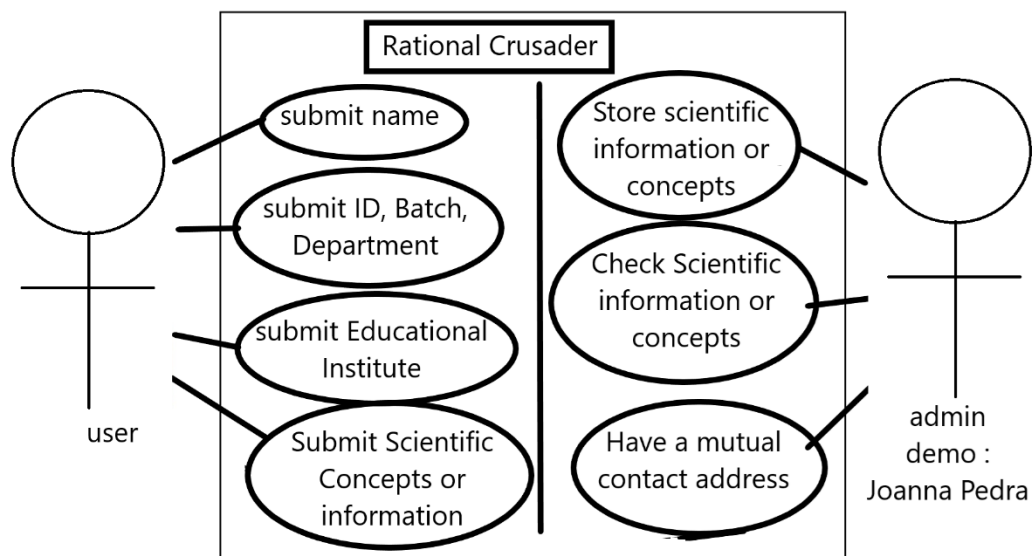


Figure 3.5: Use Case Model.

3.4 logical Data Model

A logical data model describes the data in as much detail as possible, regardless of how it will be implemented physically in the database. It involves all entities and their relationships. In the Entity Relationship Diagram called the ER diagram, both the logical data model and the physical data model are actually present. All characteristics are defined for each entity in the ER diagram. My project's design demands will differentiate and the product, system, or experience I have designed. The primary key is defined for each entity. Foreign key are specified and also specified all attributes type. Following this Figure 3.4.2 had shown E-R Diagram of user and admin category.

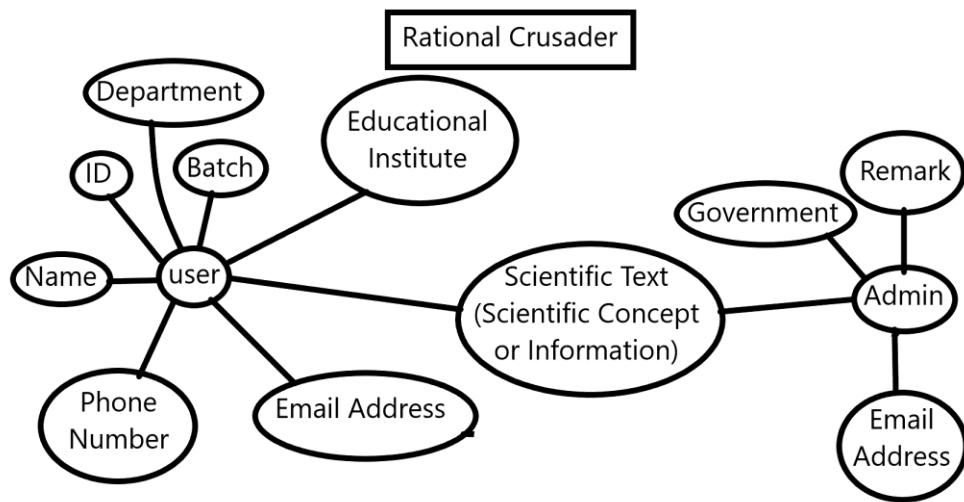


Figure 3.6: E-R Diagram

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end Design

Front-end is the website's most significant component. It works on the presentation layer and is presented straight to the user, so the only way to communicate with the scheme is to create a straightforward and easy front end or GUI for the user. There is very popular quote about design that, "Everything must be made as simple as possible. But not simpler" by Albert Einstein, So I tried to keep my design as simple and easy accessible for user, although the development tasks wasn't easy. After all, I design it for user and I hope that user will accept my system easily. In bellow I attach my website front-end design. Following this figure 4.1.1 had shown port of Home, Science Text, Result, About, Service and contact and all use front-end design.

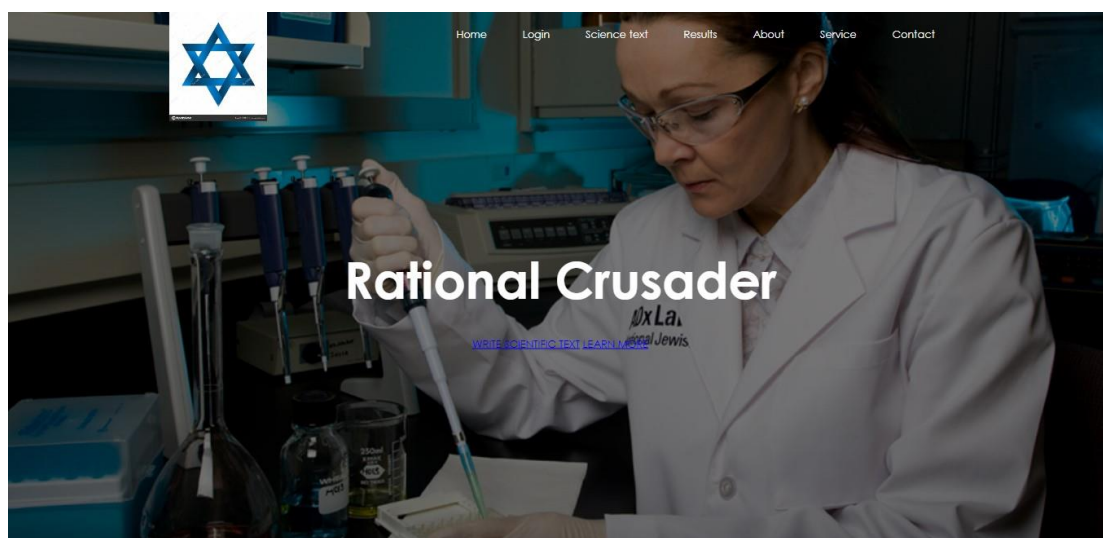


Figure 4.1: Top Home Page.

About Us: Following this Figure 4.1.2 you can know our vision, our mission and safety information. So I explain many things on this page.

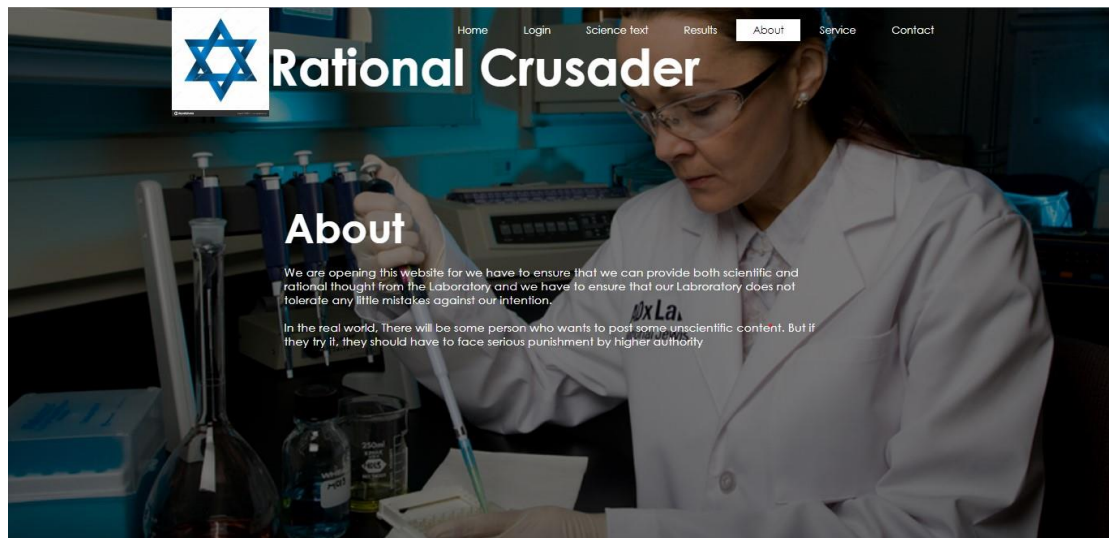


Figure 4.2: About Us Page.

Science Text Page: Following this Figure 4.1.3 user can know saw science text form. Wherever you are go, you can fill your name, ID, Batch, Department, Educational Institute, Scientific information, Contact Information.

Figure 4.3: Science Text Page.

Result Page: Following this figure 4.1.4 has given results of all category (Name, ID, Batch, Department, Educational Institute, Scientific information, Remark, Contact number, Email Address and Porta Address). User can her results if she is appreciated

or not.

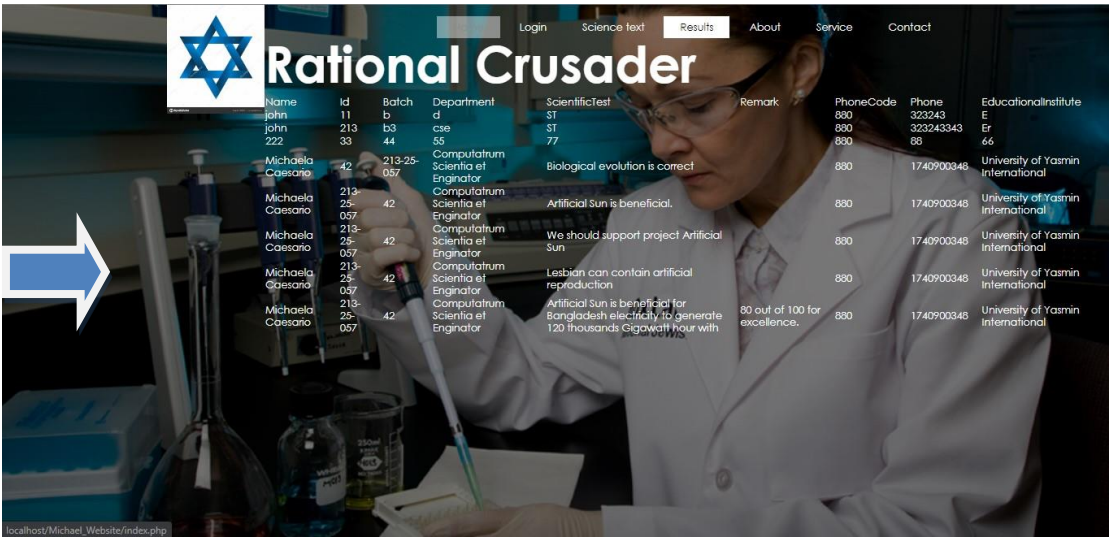


Figure 4.4: All Category result Page.

Service mention Page: Following this figure 4.1.5 has explained how this website work. It would mention now unscientific information would be flagged to the honorable Bangladesh government.

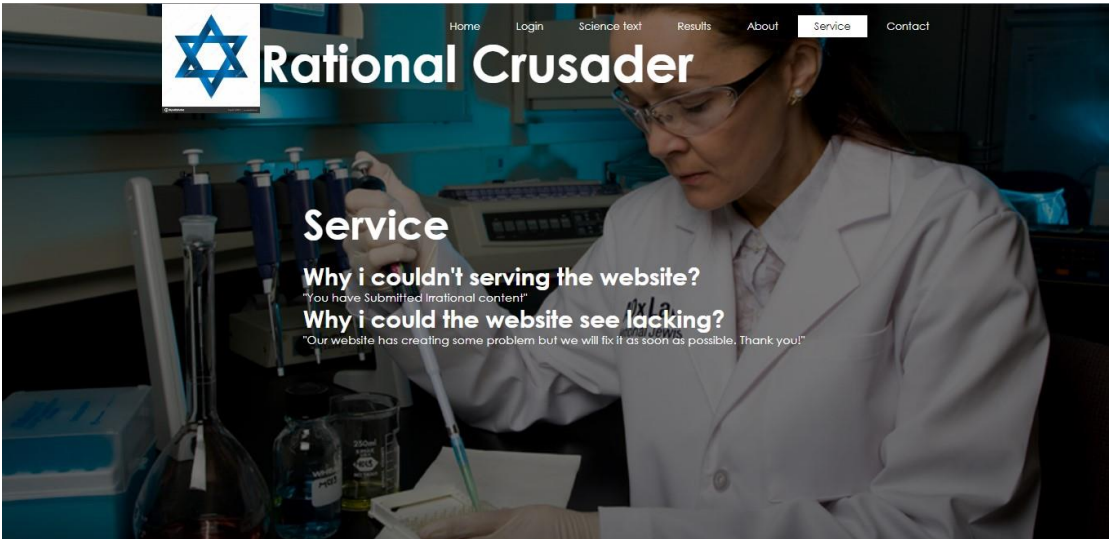


Figure 4.5: service Page

Contact Page: Following this figure 4.1.6 has given if you have some problem that you

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are facing on our website, you can contacts with us easily.

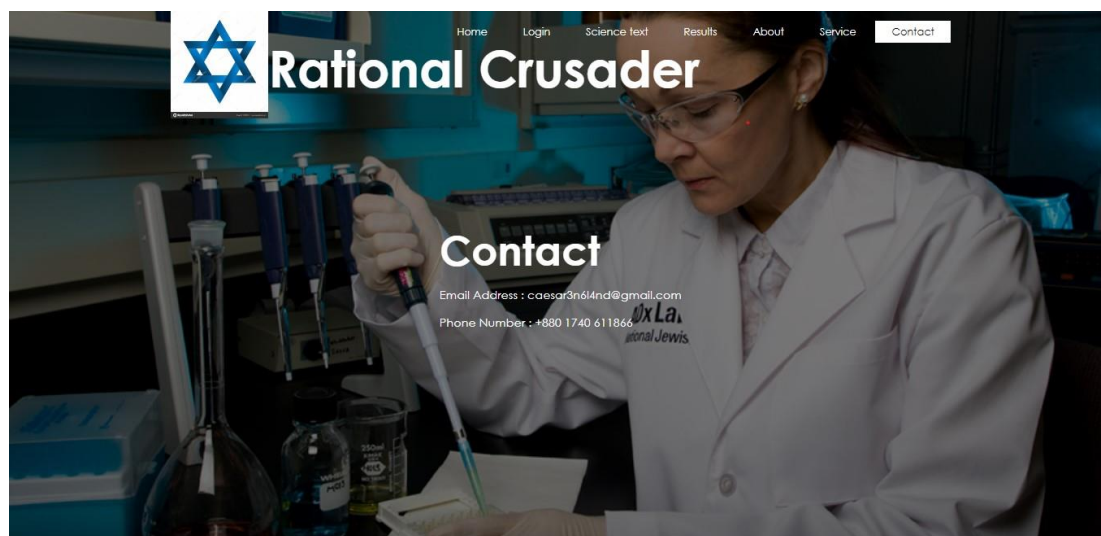


Figure 4.6: Information Page

4.2 Back-end Design

Back-end is a component that works, but the user is unaware or unable to see. Usually the back-end consists of three parts. First is an implementation, second is an implementation, and third is a database. Usually back-end technology comprises of language such as PHP, Dashboard, etc. Actually frond-end design is only way to interact with the user but user can't watch and never visualized how to the system is working. Back-end does everything that happens on the server or behind the scenes.

In fact, an interaction design that calls understands the customer problem domain, processes the issue and finds the outcome, performs the action by respecting the outcome and solves the issue.

To create and keep the back-end server table, I use PHP, MYSQL database and local XAMPP server for the teachers.

The screenshot shows the phpMyAdmin web interface. The left sidebar displays the database structure with a tree view. The main area shows a table named 'crusader_habibi_table' with the following columns: tabID, Name, Id, Batch, Department, ScientificTest, Remark, PhoneCode, Phone, EducationalInstitute, and Dated. The table contains 8 rows of data, each with a checkbox for selection and icons for Edit, Copy, and Delete. The bottom of the interface shows a console area with a message: 'internship.daffodilvarsity.edu.bd/failed?app=home'.

tabID	Name	Id	Batch	Department	ScientificTest	Remark	PhoneCode	Phone	EducationalInstitute	Dated
2	john	213	b3	cse	ST		880	323243343	Er	0000-00
3	222	33	44	55	77		880	88	66	0000-00
4	Michaela Caesario	42	213-25-057	Computatrum Scientia et Enginor	Biological evolution is correct		880	1740900348	University of Yasmin International	0000-00
5	Michaela Caesario	213-25-057	42	Computatrum Scientia et Enginor	Artificial Sun is beneficial		880	1740900348	University of Yasmin International	0000-00
6	Michaela Caesario	213-25-057	42	Computatrum Scientia et Enginor	We should support project Artificial Sun		880	1740900348	University of Yasmin International	0000-00
7	Michaela Caesario	213-25-057	42	Computatrum Scientia et Enginor	Lesbian can contain artificial reproduction		880	1740900348	University of Yasmin International	0000-00
8	Michaela Caesario	213-25-057	42	Computatrum Scientia et Enginor	Artificial Sun is beneficial for Bangladesh electr...		880	1740900348	University of Yasmin International	0000-00

Figure 4.7: Mysql server Page.

4.3 Interaction Design and UX

This is a question that I hear a lot. Unfortunately, the response to this question is not easy. First, there is no differing global definition of the two websites. That implies that in the website perspective my user's interpretation needs to modify and require in the proposal with priority.

In particular, interaction design is a discipline that examines the interaction between a system and its user. In fact, an interaction design that calls understands the customer problem domain, processes the issue and finds the outcome, performs the action by respecting the outcome and solves the issue.

There is no doubt that an interaction designer's activity must follow some type of UX design method. There is no point in undertaking user research and researching what users want if interaction designers who respond to these requirements are left with UX study outputs.

In fact, an interaction design that calls understands the customer problem domain, processes the issue and finds the outcome, performs the action by respecting the outcome and solves the issue.

On the other side, user experience focuses on the general user-application experience. There are some features in my project that can communication with the user, one of the

features is personal blog that can share the imagination or thought from one to another and could be motivate the system's use

For UX tried to give some tremendous experience by my website, to maintain my system simple and easier to use for better experience and efficiency, I have worked so many to reduce my application's data loading time and the effort will continue.

4.4 Implementation Requirements

Developing tools mainly used to develop the whole web page in where all facilities get from the tools.

Defining requirements is the first step to development of an important of sports places. Without requirements is like without backbone. Because, the developer don't know what he will do. Requirement provides the weedy parts about the system, these requirements are necessary to ensure that the system does not enter an undefined state. So, it is very important to develop a good requirement implementation for their website right definition.

The customer requires discovering bus paths in the current scheme by visiting the travel desks and there may be no possibility of tickets being available. So I suggested that this project will solve all the problems.

Plan execution may also be affected by misuse of funds, absence of accountability, non-transparency in decision-making, excessive laws and regulations, inconsistent priorities [6], elevated concentration of political power, and incompetent administration.

CHAPTER 5

DESIGN AND IMPLEMENTATION

5.1 Implementation of Database

According to requirements of the system, following tables have been constructed. The tables also called database schema when without data contents. The schema mainly describes the overall database system. The execution stage involves installing the DBMS on the necessary hardware, optimizing the database to best operate on that hardware and software platform, and creating the database and loading information. Therefore, follow this Figure 5.2.

tabID	Name	Id	Batch	Department	ScientificTest	Remark	PhoneCode	Phone	EducationalInstitute	Dated
2	john	213	b3	cse	ST		880	323243343	Er	0000-00
3	222	33	44	55	77		880	88	66	0000-00
4	Michaela Caesario	42	213-25-057	Computatrum Scientia et Enginator	Biological evolution is correct		880	1740900348	University of Yasmin International	0000-00
5	Michaela Caesario	213-25-057	42	Computatrum Scientia et Enginator	Artificial Sun is beneficial.		880	1740900348	University of Yasmin International	0000-00
6	Michaela Caesario	213-25-057	42	Computatrum Scientia et Enginator	We should support project Artificial Sun		880	1740900348	University of Yasmin International	0000-00
7	Michaela Caesario	213-25-057	42	Computatrum Scientia et Enginator	Lesbian can contain artificial reproduction		880	1740900348	University of Yasmin International	0000-00
8	Michaela Caesario	213-25-057	42	Computatrum Scientia et Enginator	Artificial Sun is beneficial for Bangladesh electri...		880	1740900348	University of Yasmin International	0000-00

Figure 5.1: Database Table Figure.

5.1.1 Database Design

The design of the database is the method of generating a comprehensive database model. This data model includes all the necessary logical and physical design decisions and physical storage parameters for generating a design in a language of data definition that can then be used to build a database [7]. For each entity, a fully assigned data model includes detailed characteristics.

- Primary key: This field is special for all occurrences of records.
 - Foreign key: This field was used to set the tables connection.
- Standardization is a method to prevent tables being redundant.

It is possible to use the word database design to define many distinct components of a general database system design. Mainly and most accurately [7], the logical design of the database systems used for data storage can be considered.

However, the term database design could also be used to apply to the overall design process, not only the database structures but also the forms and queries use within the database management system (DBMS) as part of the overall database application. Under following all figures uses database. Following figure 5.1 has showing Admin server page. Admin can access this page and only she can maintain all this sites.

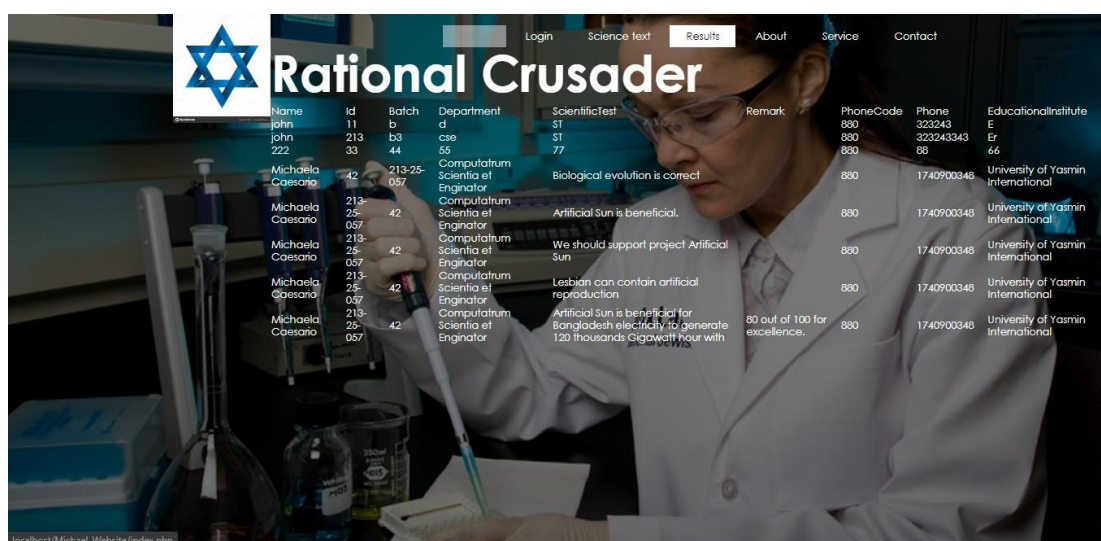


Figure 5.1: Update User Page.

Delete User Page: Following this figure 5.1.5 only admin can delete user. This page for making uses database, PHP and CSS.

5.2 Implementation and Interaction

The application of a sustainable scientific policy must take into consideration the analysis of the educational, financial, environmental and social impact of the presence of scientific students. But if we are scientific as a source of job creation and economic growth, we need to be conscious of and do the perception and attitudes of the lovely concepts. This implies that the overall planning policy must be conscious of the chance to strengthen the tourism industry's beneficial effects (optimizing the advantages) and to mitigate or minimize the adverse effects that tourism feels.

The interaction can be discovered nearly everywhere in the true globe. Interaction is the key to making a user- friendly and dynamic system. Making a system interaction is very essential and I was also trying to go so. I also include some distinctive function, as stated previously, to communicate with our scheme as a educational institute.

CHAPTER 6

SYSTEM TESTING AND COMPONENT TESTING

6.1 System Testing and Component Testing

System testing involves integrating two or more system parts as it refers to the system's functionality and running an embedded system-wide test. The software has been screened for Internet Explorer 8, Google Chrome and Opera 35.0 with Web browsers. The Software was also tested using Windows Operating System.

Component testing also known as module testing is the method of testing the system's individual parts to determine whether their required functionality is being fulfilled. It enables to discover defects in a system's parts or modules; ensuring that all component defects are exposed for correction. Component testing is crucial as it helps to discover bugs before testing for inclusion.

6.2 User Validation Page

The user validation page is shown in Figure 6.2. In the event that a user who intends to access the system but ends up entering a wrong username or password, the system displays a warning message showing “Invalid username or password” but gives the user another attempt to enter the correct details before redirecting to the homepage.

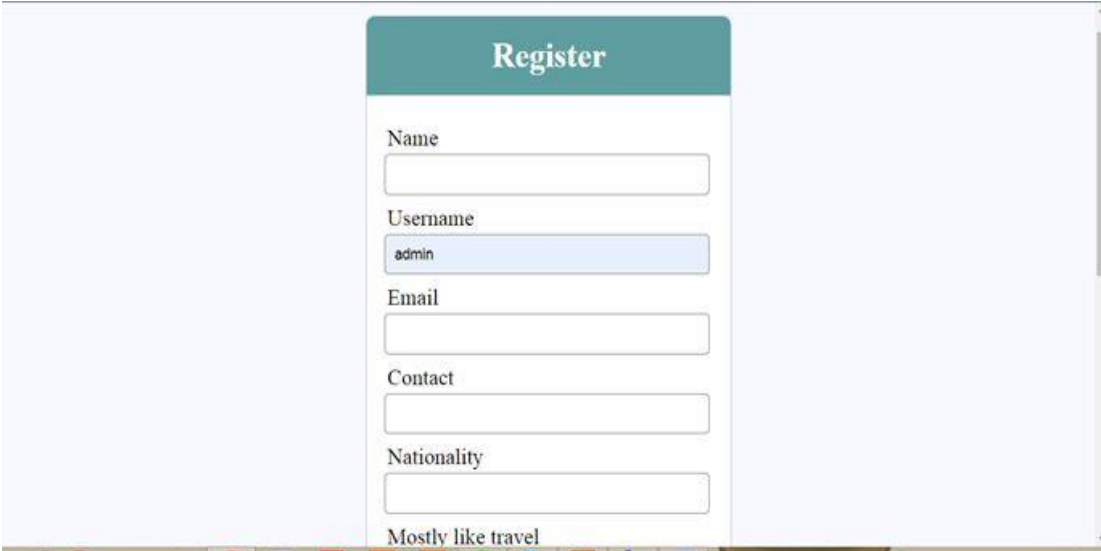


Figure 6.2: User Validation Page

6.3 Message verification page

Figure 6.3 demonstrates a module for verification. A customer with system results, tourism product or data issues will send a message to the administrator. The administrator reacts to the message after which a confirmation message shows that “a message has been delivered effectively” to the administrator.

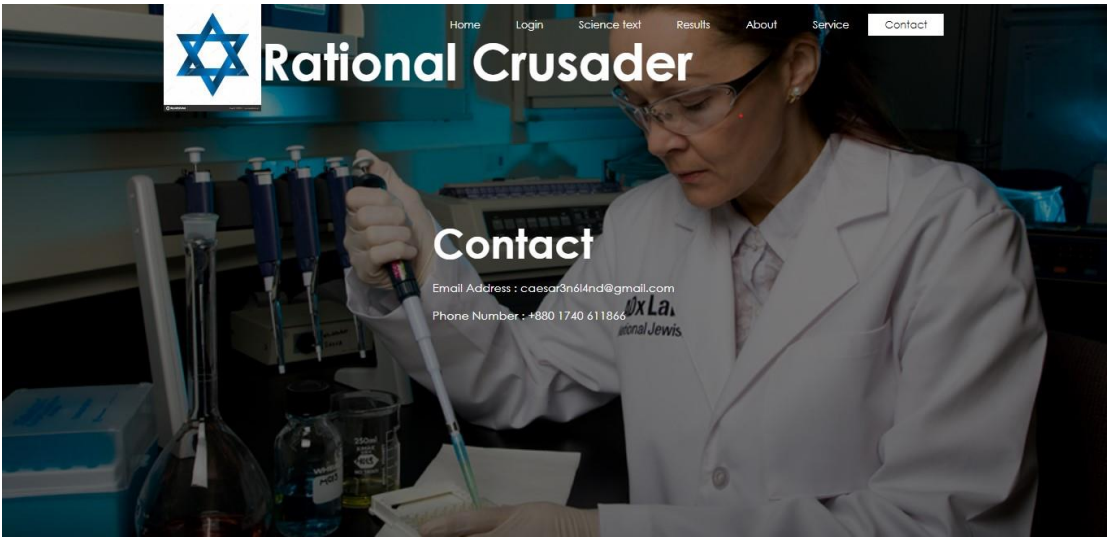


Figure 6.3: Message verification page

6.4 Database Testing

Database testing is vital as it helps to identify mistakes that may influence system efficiency reliability, consistency, and safety. It also helps validate the scheme against the user’s necessity. Database testing is vital to acquire a database system that meets the acid characteristics of a database management system [12]. Following this figure 6.4 record all categories.

Table	Action	Rows	Type	Collation	Size
advertisement	Browse Structure Search Insert Empty Drop	12	InnoDB	latin1_swedish_ci	16 K
category	Browse Structure Search Insert Empty Drop	7	InnoDB	latin1_swedish_ci	16 K
contactus	Browse Structure Search Insert Empty Drop	6	InnoDB	latin1_swedish_ci	16 K
customer	Browse Structure Search Insert Empty Drop	8	InnoDB	latin1_swedish_ci	16 K
customers	Browse Structure Search Insert Empty Drop	4	InnoDB	latin1_swedish_ci	16 K
enquiry	Browse Structure Search Insert Empty Drop	2	InnoDB	latin1_swedish_ci	16 K
package	Browse Structure Search Insert Empty Drop	26	InnoDB	latin1_swedish_ci	16 K
subcategory	Browse Structure Search Insert Empty Drop	26	InnoDB	latin1_swedish_ci	16 K
users	Browse Structure Search Insert Empty Drop	4	InnoDB	latin1_swedish_ci	16 K
0 tables	Sum	87	InnoDB	latin1_swedish_ci	144 K

Figure 6.4: Database Table Image

Contact Table Image: Figure 6.4.1 demonstrates the system’s contact table image. The table contains user emails related to their system and tourism products suggestions and

complaints. It also allows for adequate identification the user information as well as the topic of the message.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	contactid	int(50)			No	None		AUTO_INCREMENT	Change
2	Name	varchar(50)	latin1_swedish_ci		No	None			Change
3	Phno	varchar(50)	latin1_swedish_ci		No	None			Change
4	Email	varchar(50)	latin1_swedish_ci		No	None			Change
5	Message	varchar(5000)	latin1_swedish_ci		No	None			Change

Figure 6.4.1: Contact Table Image

User Table Image: Figure 6.4.2 is used to store user information that has been enrolled with the scheme. The data stored in the user table is primarily the user input data during the registration process.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None			Change Drop
2	cat_id	int(11)			No	None			Change Drop
3	name	varchar(255)	latin1_swedish_ci		No	None			Change Drop
4	email	varchar(255)	latin1_swedish_ci		No	None			Change Drop
5	contact_no	varchar(255)	latin1_swedish_ci		No	None			Change Drop
6	nationality	varchar(255)	latin1_swedish_ci		No	None			Change Drop
7	budget_for_travel	tinyint(4)			Yes	NULL			Change Drop
8	yearly_travel_no	tinyint(4)			Yes	NULL			Change Drop
9	gender	tinyint(4)			Yes	1			Change Drop

Figure 6.4.2: User Table Image

6.5 Test Results and Reports

Test report is required to formally reflect test outcomes, which provides a chance to rapidly estimate test outcomes. It is a document that records information from an assessment experiment in an organizational way, describes environmental or working circumstances, and demonstrates the comparison of test outcomes with goals.

The following characteristic of the visitors is the usability testing. So at the end I can perform the outcomes as the advantages to the end user or the learner of usability testing:

- Better website for quality and education.
- It was readily used by any user.
- Users accept it more easily.
- More Information.
- Better UI.
- Low cost service.

CHAPTER 7

CONCLUSION AND FUTURE SCOPE

7.1 Discussion and Conclusion

The support system for tourism information demonstrates to be a powerful system that has followed all industrial norms. Standardization applies to all tables. Also mentioned are the functional dependencies. Working with such a scheme can allow the user to obtain any data with low performance costs and higher efficiency. Due to the excellent design of the database, the system can meet any requirement in the algebraic-related translation demonstrates that the database is correctly designed. After connecting with the application through the local host its overall features and functionalities just work fine. This application workflow and beautiful design are user-friendly and efficient enough to work with. I have encouraged to developing this type of application because I think our education system is backdated than other developing countries and student of my countries lagging behind the other countries. So that's why we think to do something that helps our student society to turnaround from this bad situation. I created a student community that helps students to interact with each other, as mentioned, it can motivate user [9].

7.2 Scope for Future Developments

The system has been developed with future development possibilities in consideration. The proposed system should have the following facilities to serve the better service to the tourist [10].

- Getting all the information about the tourists in more details through web service and desktop client or Email.
- SMS based alter system of this department time to a visiting place.
- Automated mapping system to help the tourists find their visiting place.
- Online booking system for hotel reservation

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