

# **Field Work Management.**

**A PROJECT REPORT  
Submitted By**

**RAJAT GUPTA  
Univ. Roll No 1900290149078**

**Submitted in partial fulfillment of the  
Requirements for the Degree of**

## **MASTER OF COMPUTER APPLICATION**

**Under the Supervision of  
Mr. Ankit Verma  
Assistant Professor**



**Submitted to  
Department Of Computer Applications  
KIET Group of Institutions, Ghaziabad  
Uttar Pradesh-201206**

## TRAINING CERTIFICATE



**NS Matrix Services Pvt. Ltd.**

Tel : +91-11-45513300

E-mail : [info@nsmatrix.com](mailto:info@nsmatrix.com)

Web : [www.nsmatrix.com](http://www.nsmatrix.com)

TO WHOMSOEVER IT MAY CONCERN

20-Jul-2021


This is to certify that Mr RAJAT GUPTA has successfully completed his internship in our company NS Matrix Services Pvt. Ltd. from 08-Mar-2021 till 20-Jul-2021 as "Intern"

We wish him best of luck for his future.

Please contact us if you have any further questions or concerns regarding this verification.

Our email address is [hrteam@nsmatrix.com](mailto:hrteam@nsmatrix.com) and our direct phone line is: +911-45513300.

For NS Matrix Services Pvt. Ltd.

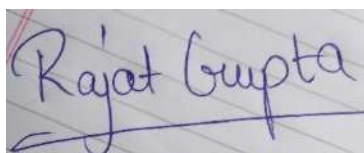
  
Authorized Signatory,

---

952, Aggarwal Metro Heights, Netaji Subhash Place, Pitampura, New Delhi - 110034, India

## **CERTIFICATE**

Certified that **Rajat Gupta (Roll No. 1900290149078)**, have carried out the project work entitled “**Field work Management**” for the award of Master of Computer Applications from Dr. A.P.J.Abdul Kalam Technical University (AKTU) (formerly UPTU), Technical University, Lucknow under my supervision. The project report embodies original work, and studies are carried out by the student himself/herself and the contents of the project report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.



**Rajat Gupta**  
**Univ. Roll No. 1900290149078**  
**Date: 06/08/2021**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

**Mr. Ankit Verma**

**Date:**

Assistant Professor

Dept. of Computer Application.

KIET Group of Institutions, Ghaziabad

**Signature of Internal Examiner**  
**External Examiner**

**Signature of**

**Dr. Ajay Kumar Srivastava**

Professor & Head Department of Computer Application

## **ABSTRACT**

Market research is defined as the process of evaluating the feasibility of a new product or service, through research

Conducted directly with potential consumers. This method allows organizations or businesses to discover their target

Market, collect and document opinions and make informed decisions. The process of market research can be done through deploying surveys, interacting With a group of people also known as sample, conducting interviews and other similar processes.

Primary purpose of conducting market research is to understand or examine the market associated with a particular Product or service, to decide how the audience will react to a product or service. The information obtained from Conducting market research can be used to tailor marketing/ advertising activities or to determine what the feature are Priorities/service requirement (if any) of consumers.

The purpose of market research is to look at the market associated with a particular good or service to ascertain How the audience will receive it. This can include information gathering for the purpose of market segmentation And product differentiation, which can be used to tailor advertising efforts or determine which features are seen as a Priority to the consumer.

A business must engage in a variety of tasks to complete the market research process. It needs to Gather information based on the market sector being examined. The business needs to analyze and interpret the resulting Data to determine the presence of any

patterns or relevant data points that it can use in the decision-making process. Market research helps entrepreneurs make well-informed decisions. It can take the guesswork out of innovation,

And funnel resources into ideas and projects that hold the most potential. Businesses at different stages of growth    Carry out market research for different reasons.

## **ACKNOWLEDGEMENTS**

Success in life is never attained single handedly. My deepest gratitude goes to my thesis supervisor, **Mr. Ankit Verma** for his guidance, help and encouragement throughout my research work. Their enlightening ideas, comments, and suggestions. Words are not enough to express my gratitude to **Dr. Ajay Kumar Shrivastava, Professor and Head, Department of Computer Applications**, for his insightful comments and administrative Help at various occasions.

Fortunately, I have many understanding friends, who have helped me a lot on many critical conditions.

Finally, my sincere thanks go to my family members and all those who have directly and Indirectly provided me moral support and other kind of help. Without their support, completion of This work would not have been possible in time. They keep my life filled with enjoyment and Happiness.

**Rajat Gupta**

## **Table of Contents**

<b>S.No</b>	<b>CONTENTS</b>
<b>PAGENO.</b>	

Title

Page	i
------	---

Company

Certificate

ii

Candidate's  
Declaration

iii

Acknowledgement

iv

Abstract  
Information

v

1.	Company Profile
	1

2.	Introduction
	2

3.	Identification of Need
	3-4

4.	Objective and Scope of Project
	5-6

5.	Problem Statement
	7

- |    |   |       |
|----|---|-------|
| 6. | System Analysis                                     | 8-13  |
| ▪  | Preliminary investigation                           |       |
| ▪  | Feasibility study                                   |       |
| 7. | Software Requirement Specification                  | 13-32 |
| ▪  | Introduction  |       |
| ▪  | Overall Description                                 |       |
| ▪  | Requirement Analysis and Planning Steps GANTT Chart |       |
|    | □ PERT Chart  |       |
| ▪  | System Feature                                      |       |
| ▪  | External Interface Requirement                      |       |



▪	Software Quality Attribute	
▪	Other Non-Functional Requirements	
▪	Other Requirements	
8.	Software Engineering Paradigm Applied	33-35
▪	Waterfall Model	
▪	Prototyping Model	
9.	High Level Design	36-40
▪	DFD	
▪	ERD	
▪	Use Case Diagram	
10.	Database Design	41-47
11.	Screen Shots	48-71
12.	Market Research-Quality Analysis & it's Types.	72-73
13.	Test Cases	73-75
14.	Conclusion	76
15.	Future Scope	76-77
16.	Bibliography	77

## **Company Profile**

### **About the Organization**

NSMX (NS Matrix Services Pvt. Ltd.) is a New Delhi based growing company and was founded in year 2011. We are a technology driven company and provide IT Enable services to our dedicated US based market research client. What makes NSMX unique is our ability to help clients meet challenges. We help them enhancing productivity by ensuring the smooth work of business functions economically. And, our ability to conceptualize, architect and implement new and expanded proficiencies which allows our clients to transform legacy models to take their business to the next level.

### **Company Mission:**

NSMX delivers measurable impact on your bottom line through the use of our services. The primary goal of NSMX is to reduce your cost of development through an effective outsourcing program, thereby allowing you to manage costs as you scale your operations.

We align our services to the short-term and long-term goals of our customers, by giving them a flexible pathway to ownership of the outsourced assets, and development of Intellectual Property.

(HTML, JavaScript, Jscript, ASP, JAVA, SQL and AJAX)

We have the technology experts who can build complex & customized surveys/products to any extend for our clients, Online Serve invests in the latest packages and training to ensure that you always have the best tools and resources available for your project needs.

## **CHAPTER 1**

### **INTRODUCTION**

The Online Marketing Research is the IT Enable service. The complete title is “Marketing Research (Quality Assurance)”. It can be define as "Market research is the process of collecting valuable information to help you find out if there is a market for your proposed product or service. The information gathered from market research helps budding entrepreneurs make wise and profitable business decisions."

There are two various mode of the marketing research that is the online & offline survey. An Online survey is a questionnaire that the target audience can complete over the Internet. Online surveys are usually created as Web forms with a database to store the answers and statistical software to provide analytics.

The key to any successful business is to understand what it is that your customers want and giving this to them in away that is profitable for you. Many entrepreneurs make them is take early on of thinking that they know what their customers want without ever asking them. This can result in some very expensive mistakes later on.

Online surveys area fast, flexible and affordable route into conducting international market research. Our market research methodologists have a deep understanding of the impact questionnaire design has on completion rates, data quality and respondent positive experience. At NSMX, we design, program host varied online research study range of recognized online survey tools. We offer custom branding, and can handle complex question and routing logic as well as interactive questions, images, audio and visual elements.

## **Identification of Need**

### ***Problem with the Current (Existing) System:***

In the existing system all the work is done manually .This is chance of committing errors and it will take more time to perform any transaction. There are so many limitations in the existing system. So the existing system should be atomized. If the system is carried over manually, for every transaction it take more time. So it is difficult to take immediate decisions. It is difficult to find out where the problem is occurring.

Disadvantages of the Existing System:

- Existing system was not user friendly.
- System was not well organized and precise.
- It was time consuming.
- Information was redundant and inconsistent.
- It didn't integrate all the modules.
- Decision making was difficult.

### **Need For Automation:**

- To overcome the limitations of the existing system that will provide the user the facility of choosing the office of protector and apply online for clearing process and save a lot of time, money and physical strength for both Online Survey and Marketing Research department and emigrant.
  - Online Survey Marketing Research System will be user friendly.
  - It will maintain the information of the emigrants who are registered and who is the protector of emigrant.
  - It will also maintain information about the documents required and it automates the process of verifying the emigrants and issuing of clearance certificate.

- At the end of the verification process and after emigrant is verified, an online survey certificate is generated by the POE which is available for the emigrant to download by simply login into their account.

### **Automated Processes:**

Automated process is a process which is executed automatically by the system. After completion of interaction with the user, the system will perform some automated processes.

- In the user registration process, user is asked to fill a registration form. After filling the form his registration will be completed by the system with the issuing of a user id and password.
- After verification of emigrant protector can generate a certificate automatically.

### **Non-Automated Processes:**

Non-automated Process is a process, which is completely executed by the human actor. If any modifications are required to the System then the human actor will handle them.

- Document Verification is to be done manually
- Protectors cannot be registered online
- Sending user id and password to the Protectors

## **CHAPTER 2**

### **Literature Review**

#### **INTRODUCTION:**

What is important in knowledge is not quantity, but quality. It is important to know what is significant, what is less so, and what is trivial. –Leo Tolstoy By 2025, the projected global demand for higher education could reach 263 million students, which is an increase from a little less than 100 million students in 2000 (Karaim, 2011, p. 551). This could represent an increase of 163 million students in 25 years (Karaim, 2011). As the demand for quality education increases, there is a growing demand for quality assurance (QA) for international universities where there is increased mobility of students, faculty, programs, and higher education institutions in global networks (Hou, 2012; Varonism, 2014). Quality assurance can be a driver for institutions to achieve excellence in higher education. However, ensuring that the quality of educational programs meets local and international standards simultaneously has become a great challenge in many countries (OECD & World Bank, 2007). Hence, a need emerges for cooperation of quality assurance agencies and acceptance of quality assurance review decisions.

As such, the aim of this paper is to examine the literature surrounding quality assurance in global higher education. It provides an overview of accreditation as a mechanism to ensure quality in higher education, examines models of QA, and explores the concept of quality. In addition, this paper provides a review of research on the effectiveness of quality assurance practices, with a particular focus on student involvement with quality assurance.

## **ABSTRACT:**

The aim of this paper is to present a general view and a brief literature review of the main aspects related to quality assurance in global higher education. It provides an overview of accreditation as a mechanism to ensure quality in higher education, examines models of QA, and explores the concept of quality. In addition, this paper provides a review of research on the effectiveness of quality assurance practices, with a particular focus on student involvement with quality assurance. In reviewing the concept of quality assurance itself, the author noted there is a need for a common framework for a quality assurance model; however, there is no agreement as to a QA definition or a QA model. Furthermore, although quality is the utmost significant concern for accrediting bodies, accreditation structures are decentralized and complex at both the regional and international level. Another challenge identified revolves around the concerns of faculty members and other stakeholders, such as students, about the QA process. Given that students are at the center of higher education, and invest time and money in the system, the author concludes involving them could improve QA processes.

## **CHAPTER 3**

### **Objective and Scope of Project**

#### **Objective:**

- Online Marketing Research is systematic problem analysis, model building and fact finding for the purpose of important decision making and control in the marketing of goods and services.
- Marketing Research is a well-planned, systematic process which implies that it needs planning at all the stages. It uses scientific method. It is an objective process as it attempts to provide accurate authentic information. Marketing Research is sometimes defined as the application of scientific method in the solution of marketing problems.
- Online Marketing Research is a well-planned, systematic process which implies that it needs planning at all the stages. It uses scientific method. It is an objective process as it attempts to provide accurate authentic
- Information. Marketing Research is sometimes defined as the application of scientific method in the solution of marketing problems.
- Online Marketing Research is essential for strategic market planning and decision making. It helps a firm in identifying what are the market opportunities and constraints.

#### **Scope and limitations:**

- Marketing Research (MR) is not an exact science though it uses the techniques of science. Thus, the results and conclusions drawn upon by using MR are not very accurate.
- The results of MR are very vague as MR is carried out on consumers, suppliers, intermediaries, etc. who are humans. Humans have a tendency to behave artificially when they know that they are being observed. Thus, the consumers and respondents upon whom here search is carried behave



artificially when they are aware that their attitudes, beliefs, views, etc are being observed.

- MR is not a complete solution to any marketing issue as there are many dominant variables between research conclusions and market response.
- MR is not free from bias. The research conclusions cannot be verified. The reproduction of the same project on the same class of respondents give different research results.
- Many business executives and researchers have ambiguity about the research problem and its objectives. They have limited experience of the notion of the decision-making process. This leads to carelessness in research and researchers are not able to do anything real.
- Huge cost is involved in MR as collection and processing of data can be costly. Many firms do not have the proficiency to carry wide surveys for collecting primary data, and might not also able to hire specialized market experts and research agencies to collect primary data. Thus, in that case, they go for obtaining secondary data that is cheaper too obtain.
- MR is conducted in open marketplace where numerous variables act on research settings.

## **Problem Statement**

There are some problems arise with the Existing System:

In the existing system all the work is done manually. This is chance of committing errors and it will take more time to perform any transaction. There are so many limitations in the existing system. So the existing system should be atomized. If the system is carried over manually, for every transaction it take more time. So it is difficult to take immediate decisions.

There are some problems arise with the Existing System:

- Existing system was not user friendly
- System was not well organized and precise
- It was time consuming
- Information was redundant and in consistent
- It didn't integrate all the modules.
- It is difficult to find out where the problem is occurring
- Registration form are to be filled manually
- Sending user id and password to the Tools

## **CHAPTER 4**

### **System Analysis**

System is created to solve problems. One can think of the systems approach as an organized way of dealing with a problem. In this dynamic world, the subject system analysis and design, mainly deals with the software development activities.

Since a new system is to be developed, the one most important phases of software development life cycle is system requirement gathering and analysis. Analysis involves detailed study of the current system, leading to specification of a new system. Analysis is a detailed study of various operations performed by a system and their relationship within and outside the system. Using the following steps it becomes easy to draw the exact boundary of the new system under consideration.

Keeping in view the problems and new requirements, work out the pros and cons including new area of the system.

All procedures, requirements must be analysed and documented in the form of detailed DFDs, logical data structure and miniature specifications.

#### **System Analysis is conducted with the following steps**

- Information gathering
- The tools of structured analysis
- Identification of Need
- System Planning and initial investigation
- Feasibility study



### ***Information Gathering:***

- Information about the firm
- Information about the work flow
- Various tools used are:



### ***The tools of structured analysis:***

- DFD
- Data Dictionary
- Decision Tree and Structured English



### ***Initial investigation:***

- Problem definition and project initiation
- Determining the requirements
- Needs identification
- Dimension of planning
- Determination of feasibility



### ***Feasibility Analysis:***

- System Performance definition
- Identification of system objectives
- Description of outputs

- Evaluation of project request is major purpose of preliminary investigation.
  - It is the collecting information that helps committee members to evaluate merits of the project request and make judgment about the feasibility of the proposed projects.
  - To answer the above questions, system analysts discuss with different category of person to collect facts about their business and their operations.
  - When the request is made, the first activity the preliminary investigation begins.
  - Preliminary investigation has three parts-
1. Request clarification
  2. Feasibility study
  3. Request approval

### **Request Clarification:**

An information system is intended to meet needs of an organization. Thus the first step in this phase is to specify these needs and requirements.

- The next step is to determine the requirements met by the system. Many requests from employees and users in the organizations are not clearly defined. Therefore, it becomes necessary that project request must be examined and clarified properly before considering system investigation.
- Information related to different needs of the system can be obtained by different users of the system. This can be done by reviewing different organization's documents such as current method of storing sales data, complaint data etc. By observing the onsite activities the analyst can get close information related to real system.

### **Feasibility Study:**

The feasibility report of the project holds the advantages and flexibility of the project. This is divided into three sections:

- **Economic Feasibility**
- **Technical Feasibility**
- **Operational Feasibility**

## **1. Economic Feasibility:**

A systems financial benefit must exceed the cost of developing that system. i.e. a new system being developed should be a good investment for the organization.

The proposed system is economically feasible because:

- i. The system requires very less time factors.
- ii. The System reduces paper cost.
- iii. The system will provide fast and efficient automated environment instead of slow and error prone manual system, thus reducing both time and man power spent in running the system.
- iii. The system will have GUI interface and very less user-training is required to learn it
- iv. The system will provide service to view various information for proper managerial decision making.

## **2. Technical Feasibility:**

Technical feasibility centres around the existing computer system (hardware and software) whether it can support the addition of proposed system, if not, to what extent it can support and the organization's capacity to acquire additional components.

Our proposed system is technically feasible because –

- The hardware and software required are easy to install and handle
- The necessary hardware configuration and software platform is already there.
- The system supports interactivity with the user through GUI.

Proposed system is technically feasible because of the following reasons:-

- i. It's required less system resources.
- ii. Expandability will be maintained in the new system. New modules can be added later on the application, if required in the future.
- iii. The application will have User-friendly Forms and Screens, all validation checks.

### 3. **Behavioral Feasibility:**

Behavioral feasibility determines how much effort will go in the proposed information system, and in educating and training the users on the new system, along with the new ways of conducting the business. Behavioral study strives on ensuring that the equilibrium of the organization and status in the organization neither are not disturb and changes are readily accepted by the users.

The proposed system is behavioral feasible because of the following:

The users will accept it because they are already acquainted with computers.

This system is also meant for the general user. Nowadays the Internet is almost familiar to everyone. So, it is not difficult for the user to use the system, in fact they feel comfortable in using this system.

Most of the users are familiar with the web browser and the process of booking the auditorium will be simplified for the users. The organization is definitely ready to welcome the computerized system.



## **CHAPTER 5**

### **Software Requirement Specification**

#### **Introduction:**

In the present system, Web Application system will be an Online Survey & Marketing Research for individuals, organizations and business owners. Whether you need to understand the factors that shape faculty satisfaction or feedback from students on a new course offering, an online survey can reveal data that will improve programs, processes.

Benefits of the Online Survey & Marketing Research includes a faster, cheaper, more accurate ways of collecting information from a large audience, quick to analyses results of surveys at any time, easy to use for participants and researchers also. Functionalities offered by the Online Survey & Marketing Research include creation of surveys (which include ability to add, delete and modify surveys).

Utilizing our online survey Application you will be able to collect all of your survey based data and generate powerful real time reports based upon your own specifications while at the same time providing a visualization structure for any and all presentations that you may need to make. Our Web Application is an online application that gives you the power and the freedom to do all of the required research that your organization needs in order to generate feedback from your customers, employees, and partners.

#### **Purpose:**

Marketing Research is a well-planned, systematic process which implies that it needs planning at all the stages. It uses scientific method. It is an objective process as it attempts to provide accurate authentic information .Marketing Research is sometimes defined as the application of scientific method in the solution of marketing problems.

Marketing Research includes various important principles for generating information which is useful to managers. These principles relate to the timeliness and importance of data, the significance of defining objectives cautiously and clearly, and the need to avoid conducting research to support decisions already made.

- The purpose of this document is to write down formally the requirements considered to be necessary for building the Online Marketing Research.
- The first section provides a brief idea about the working of the project along acronyms, definitions, abbreviations, and reference materials.
- Section2 provides overview of the system,and a brief description of all the system functions.
- Section 3 gives a detailed description of the components.

### 1. **Intended Audience and Reading Suggestions:**

This SRS would be used by the following people-

**Developers:** The developers would use this document to implement the functionalities and to ensure traceability of the software.

**Testers:** The testers would use this document to know the interfaces and to test the software accordingly.

**Users or client:** The users would use this document to verify if the requirements specified satisfy their needs.

### 2. **Scope:**

Market research covers the following items of study.

1. Size of the present and potential market.
2. Consumer needs wants, habits and behaviour.
3. Dealer wants and preferences.
4. Analysis of the market size according to age, sex, income, profession, standard of living etc.
5. Geographic location of customers.

6. Analysis of market demand.
7. Knowledge of competitors and their products.
8. Knowing the profitability of different markets.

**6. *Existing System with Limitations:***

The results of MR are very vague as MR is carried out on consumers, suppliers, intermediaries, etc. who are humans. Humans have a tendency to behave artificially when they know that they are being observed. Thus, the consumers and respondents upon whom the research is carried behave artificially when they are aware that their attitudes, beliefs, views, etc are being observed.

**References:**

- Google search engine([www.google.com](http://www.google.com))
- [http://php.nsmx-creative.com/nsmx\\_web/](http://php.nsmx-creative.com/nsmx_web/)
- <http://www.managementstudyguide.com/limitations-marketing-research.html>
- <http://www.yourarticlelibrary.com/marketing/marketing-research>
- <http://www.nsmatrix.com>

## **CHAPTER 6**

### **Overall Description:**

**Product Perspective:**

- The organization would like to implement an online marketing research to automate the current system.
- Planning to watch company's strengths with market opportunities by outlining objectives for product and market development and devising strategies and tactics to achieve them.
- Monitoring the progress of strategy implementation.

- Watching out continuously for threats to the achievement of those plans.
- Clark and Clark define marketing research as “The careful and objective study of product design, markets and such transfer activities as physical distribution, warehousing advertising and sales management.

### **Product Feature:**

The main modules of the project are:

1. **Project Manager and Client Requirement**
2. **Survey Programming and Scripting**
3. **Testing and Quality Assurance**
4. **Sampling and Monitoring**
5. **DATA Processing & Open ended Coding.**
6. **Tabulation, Charting & Reports**

Detailed descriptions of modules are:

#### **I. Project Manager and Client Requirement:**

The project manager of the basically deals with the client requirement and the Team management. In this module weals provide the timeline of the project and how much time is needed to complete the project. The sub modules areas:

- Biding of the project and target.
- Client requirement & Questionnaire Management.
- Unique Study Id Management.
- Team Assignment for the project.
- Management of Time Line of the project.

## **II. Survey Programming and Scripting:**

Our market research methodologists have a deep understanding of the impact questionnaire design has on completion rates, data quality and respondent positive experience. At NSMX, we design program and host varied on line research studies using a range of recognized online survey tools. We offer custom branding, and can handle complex question and routing logic as well as interactive questions, images, audio and visual elements.

- Clarification on the Client Questionnaire.
- Adding the study in MIS System.
- Create Setup of the study.
- Check and validation Control Management.
- Quota management.
- Multiple choice, scales, matrix, ranking, open, closed.
- Complex skip, piping and branching.
- Hidden Question and variable management.
- Multi Language Surveys.
- Drag & drop interfaces for rating scales.

## **III. Testing and Quality Assurance:**

Quality is top of mind at NSMX before data collection even starts. As the pioneer & expert of online research, we're dedicated to the continuous quality amelioration via various process evolution and technological developments. Quality testing (employing quality, logic and plausibility checks) is an integral, ongoing constituent of all the projects until those are delivered successfully. For instance, all survey links programmed in-house or by third party vendors are tested based on test cases prepared for a particular survey. Fraudulent survey takers and bad data from samples is eliminated using quality control measures. The same follows for other sub processes as well. Our Quality Assurance team also performs multi-platform and cross device

testing to ensure appropriate survey behavior, data gathering and optimal respondent experience. You only get reliable, decision-ready results that you can count on. It includes the following sub modules:

- Testing of the Live & Dummy Links.
- Language testing for Multicounty Project.
- Logical Testing of the study.
- Textual Testing.
- Look and feel Testing.
- Respondent Data Testing by Random Data Generator
- Quota full and Terminates testing.
- Screener testing.
- Managing Error Log.

#### **IV. Sampling and Monitoring:**

Sampling is the bedrock of market research, we used to pull the respondents those are registered on our database with the required targeting of the survey. And then we used to send sample as per the current update and targeting. Where a set of respondents from a statistical population is selected to represent a specific market, audience, political base or customer base and data collection process is administered and executed to make gathered data ready for analysis. When working with NSMX, a client can rest assure that all areas of concentration are being covered when it comes to giving them the best representative sample available. Respondent used to take the survey and thus on the basis of their status (complete/screen out) they credited few MP(Market Point). We've proven expertise in all methods of qualitative, quantitative and other types of research field management. The sub modules of this project is

- Reserve the Sample for respondent.
- Targeting audiences for the survey.
- Sending sample and Link setup.
- Quota re-check and vendor setup.
- Monitoring and closing of the study.

## **V. DATA Processing & Open ended Coding:**

In online Marketing Research NSMX offers exhaustive internal data processing, cleaning, analysis and open-end coding services. Data preparation includes thoroughly checking the data and inspecting each questionnaire or observation form. Verification ensures that the data from the original questionnaires have been accurately transcribed and meaningful information has been collected. We are able to accommodate imported data from nearly any source (ASCII, Binary, PM TOOLS, Excel, Dimensions). Our centralized data refinement allows us to immaculate, validate and export the sample data for excellent reporting that will allow clients to identify emerging trends.

We know the qualitative aspect of the research. Through Open ended coding services NSMX enable market research organizations to effectively analysis and comprehend customer responses and draw rich and actionable insights. We leverage a proprietary suite of unique Artificial Intelligence tools to derive and analysis explicit as well as latent information within open-ended customer responses. We have extensive experience in preparing listings, code frames, verbatim typing, verbatim coding, and open-end programming of ad-test, product test, and CAPI / CATI studies. Utmost care is taken to create subheadings of the code frame so tables generated has decisive data.

## **VI. Tabulation, Charting & Reports:**

We know that presenting data in meaningful ways is essential for you in making timely, critical business decisions. Instead of throwing complex deliverables or dense unrefined information at our clients, we're oriented towards usefulness and simplicity. Our advanced research tools allow us to provide key insights in a highly visual and easy to understand format. Our highly trained, experienced and flexible team generates tables that turn your data into actionable insights. Our interactive reports on survey data will help your team grasp the significance of your findings.

## **CHAPTER 7**

### **User Class and Characteristics:**

*User classes of the system are as following:*

**Client/Company:** The client is the main component of the Project and they are the responsible for following-

- Set the objective for their Product/services to take Survey.
- Create a set of Questions and questionnaire.
- Set the target Audience like Specific region/age/Gender/Countrypersons.
- Bid the Project for selected Panel Companies.
- Send the Project Changes
- Increase or decrease the Quota.
- View the Final Report.
- Set the timeline for the project.

**Super Client:** Super Client is responsible for following activities-

- Accept the bidding proposal.
- Set the timeline for the project & assign a PM for the Study.
- Create Study Details in the MIS System.
- Send the study to Team NSMX.
- Communication between the Client and Team NSMX.
- Confirm the Changes Of the Study.
- Monitoring and Testing of the Study.
- Launching and closing the study.
- Can View the Random Generated DATA.
- Can view the Final Report.



**Team NSMX:** NSMX team is responsible for following activities:

- Receive the Study Request.
- Send the Clarification and Changes request to client.
- Script the Study.
- Generate the test Link and test.
- Generate the RDG Data.
- Create the report.
- Send the sample to the Respondent according to Audience.
- Launch, Monitor, Close the Study.
- Data processing and reporting.
- Send the Report to client.

### **Operating Environment:**

- The system developed in Python XML JavaScript HTML5 as front end and SQL as Backend.
- Minimum hardware and Operating system is required and should be Windows family. And the Survey can also run in the Mobile (Android, Windows Phone, iOS) Tablets.

## **CHAPTER 8**

### **Design Implementation and Constraints:**

- Login and password is used for identification of registered users On Client Panel and there is no facility for back button and Link share by other user.
- This system works only in http and https protocol.
- Client Panel is only in English and many other languages.

### **User Documentation:**

A user document should be provided related to the survey in Info Part of the Survey-

1. Set of instruction for the survey
2. About the survey.
3. Approx. Time taken by the Survey.

### **Requirement Analysis and Planning Steps:**

- ***GANTT Chart:***

A standard technique employed in recent times to keep track of a project's progress is the Gantt chart named after the industrial engineer Henry Gantt (1861-1919). They are easy to draw, easy to understand and readily adaptable to other planning approaches (e.g. Pert Charts).

Each task displayed in the GANTT chart is listed below:

**1.1            Identify needs and benefits** Identification of Need and Project Constraints Meet with customers

Establish Product Statement .**Milestone:** Product Statement defined **Preparing Feasibility Study**

**Milestone:** Feasibility Study Completed

**1.2            Preparing Software & Hardware Requirement Study**

Define Software Scope Information Description Functional Description Behavioural Description Validation Criteria

Hardware Requirement Study

**Milestone:** SRS Complete

**1.3            Define desired output/control/input (OCI)**

Define Keyboard functions Define modes of interaction.

Define import functions Review OCI with customer **Milestone:** OCI define

**1.4            Isolate software elements**

**Milestone:** Software elements defined **Research availability of existing software** Research text editing components Research image editing components

Research MS Word document migration components

**Milestone:** Reusable components identified

**1.5            Database preparation**

**Milestone:** Database preparation complete

**1.6            Coding**

**Milestone:** Coding completes

**1.7            Implementation of System Security Measures**

**Milestone:** System Security Measures implemented





**1.8            Testing Software**



**Milestone:** Testing Software Complete

Tabular description of Gantt chart is given below

Task Name	Start	Finish		Jan		Feb			March			April			May	
Project Definition	15 / 12 01 5	17 / 12 01 5		<div></div>												
System Overview and Analysis	18 / 12 01 5	23 / 12 01 5		<div></div>												

R e q u i r e m e n t G a t h e r i n g a n d S o f t w a r e R e q u i r e m e n t S p e c i f i c a t i o n ( S R	2 4 / 1 / 2 0 1 5	6 / 2 / 2 0 1 5		<div data-bbox="732 226 821 273"></div>
--	---	--------------------------------------	--	---

S )				
T o o l s a n d T e c h n o l o g y	7 / 2 / 2 0 1 5	1 1 / 2 / 2 0 1 5		
D a t a F l o w D i a g r a m s	1 2 / 2 / 2 0 1 5	2 1 / 2 / 2 0 1 5		
D e s i g n i n g	2 2 / 2 / 2 0 1 5	1 3 / 3 / 2 0 1 5		
C o d i n	1 4 / 3 / 2	2 4 / 4 / 2		

g	0 1 5	0 1 5		
R e w o r k	2 5 / 4 / 2 0 1 5	2 9 / 4 / 2 0 1 5		
F i n a l R e p o r t	3 0 / 4 / 2 0 1 5	6 / 5 / 2 0 1 5		

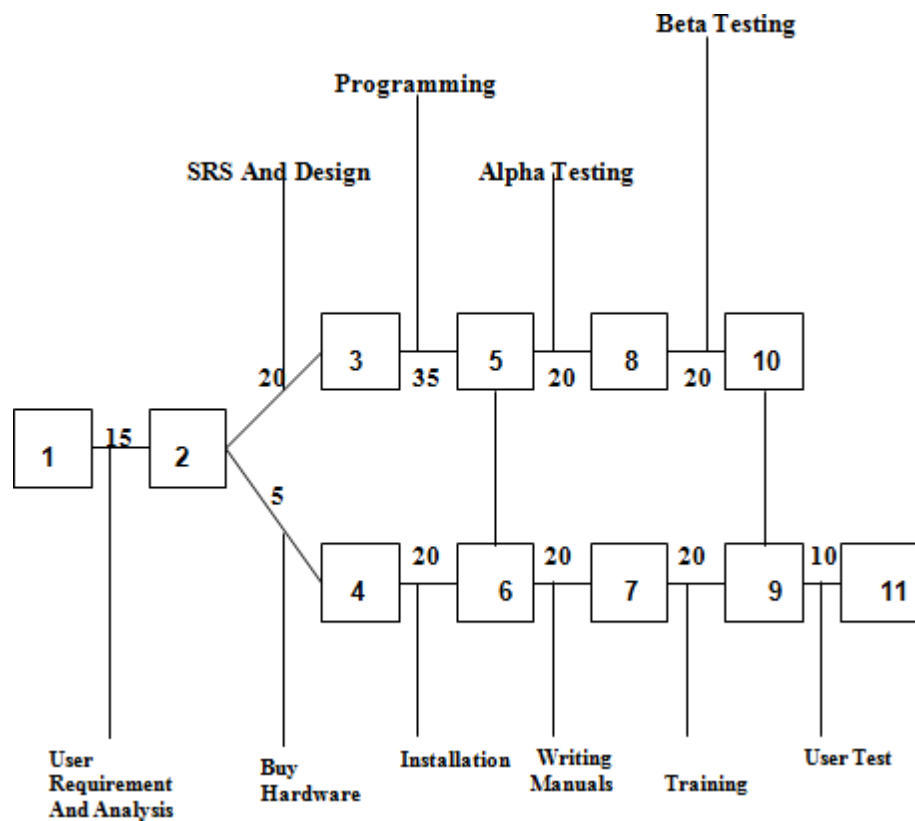
:

## CHAPTER 9

### PERT Chart:

A PERT chart is a project management tool used to schedule, organize, and coordinate tasks within a project. PERT (stands for Program Evaluation Review Technique), a methodology developed by the U.S. Navy in the 1950s to manage

The Polaris submarine missile program. A PERT chart presents a graphic illustration of a project as a network diagram consisting of numbered nodes (either circles or rectangles) representing events, or milestones in the project linked by labelled vectors (directional lines) representing tasks in the project. The direction of the arrows on the lines indicates the sequence of tasks.





A PERT chart presents a graphic illustration of a project as a network diagram consisting of numbered nodes (either circles or rectangles) representing events, or milestones in the project linked.

The PERT chart is sometimes preferred over the Gantt chart, another popular project management charting method, because it clearly illustrates task dependencies. On the other hand, the PERT chart can be much more difficult to interpret, especially on complex projects. Frequently, project managers use both techniques.

### **System Feature:**



#### **Description and Priority:**

The product offers the following Key features:

- Web based Application
- Client-server architecture
- Supports for both intranet and internet operations
- Highly scalable and extendible



## **Functional Requirements:**

### ***General Constraints:***

There are some of the general constraints that is pre-conditions, post-conditions and business rules which we need to maintain in our system they are listed below

#### ***Pre-Conditions***

- First Respondent must register Client Survey panel.
- Getting survey on the basic of Target.
- Must check the closing date of the survey.
- Check the survey basic on which topic or field like (Candy, Electronics, Cloths, etc.).
- Check Rewards points of that survey.

#### ***Post-Conditions***

- Survey must be submitted successfully.
- Rewards point are credit in account after the data verified.
- Once the Survey Link used cannot be used again for taking survey again.

#### ***Business Rules***

- NSMX Team remove all the wage responses after the client confirmation.
- Rewards Points are credit in the account after the successfully data verified.
- The respondent should be satisfied and cannot bounded.

## **CHAPTER 10**

### **External Interface Requirements:**

#### ☐ **User Interface:**

The user interface is an important part of this software and will make the software very user friendly.

- **Input Screen:** The input screen should have some icons that will be used for opening the browse window and importing the input files. It should also show the files that are being imported. This screen should also have a time line over which the imported files can be placed and the duration of the files in the presentation can be adjusted.

- **Preview Screen:** The preview screen should be able to show the presentation slides, video and the table of contents as a complete multimedia presentation.

- **Publish Screen:** The publish screen must get the input from the user about where to store the presentation. It should show some animation representing the status of the publishing wizard.

#### ☐ **Hardware Interface:**

It is recommended that the minimum configuration for clients is as appended below:-

<input type="checkbox"/>	Processor	:	Pentium Series (1GHz or above)
<input type="checkbox"/>	RAM	:	1GB
<input type="checkbox"/>	Hard Disk	:	With 80GB or above
<input type="checkbox"/>	Monitor	:	SVGA Monitor
<input type="checkbox"/>	Keyboard	:	Normal/Multimedia
<input type="checkbox"/>	Mouse	:	Stranded



### **Software Interface:**



Frontend : Python, JavaScript, XML,JQuery



Back end : MYSQL



Tools : Java Script,CSS Client provided tool



Languages : Python



Operating System : Windows, and &Above



### **Communication Interface:**



Client on Internet will be using HTTP and HTTP protocol.



Client on Intranet will be using TCP/IP protocol.



A Web Browser such as IE 5.0 or equivalent.



### **Non-Functional Requirements:**

#### **Performance Requirements:**

To achieve good performance the following requirements must be satisfied



**Scalability:** The ease with which a system or component can be modified to fit the problem area.



**Portability:** The ease with which a system or component can be transferred from one hardware or software environment to another.



**Security:** It is the ideal state where all information can be communicated across the internet/company secure from unauthorized persons being able to read it and/or manipulate it. It is also the process of preventing and detecting unauthorized use of one's computer.

- **Maintainability:** The ease with which a software system or component can be modified to correct faults, improve performance, or other attributes, or adapt to a changed environment.
- **Reliability:** The ability of a system or component to perform its required functions under stated conditions for a specified period of time.
- **Reusability:** The degree to which a software module or other work product can be used in more than one computing program or software system.

### **Safety Requirements:**

Database is an important aspect of any system. So it is required to take backup of the database. Special exception handling mechanism should be in place to avoid system error.

In case scenarios where data integrity can be compromised, measures should be taken to ensure that all changes are made before system is shutdown. The user must have a registered account to use all facility of the web application

### **Security Requirements:**

- Only Specific Country / Region can take the survey those are targeted by the client.
- Respondent cannot view the report and respondent data.

### **Software Quality Attribute:**

1. **Functionality:** The capability to provide functions which meet stated and implied needs when the software is used.
2. **Reliability:** The capability to maintain a specified level of performance.
3. **Usability:** The capability to be understood, learned and used.

4. **Efficiency:** The capability to provide appropriate performance relative to the amount of resources used.
5. **Maintainability:** The capability to modified for the purpose of making corrections and improvement.
6. **Portability:** The capability to adopted for different specified environments without applying actions or means other than those provided for this purpose in the product.

### **Other Requirements:**

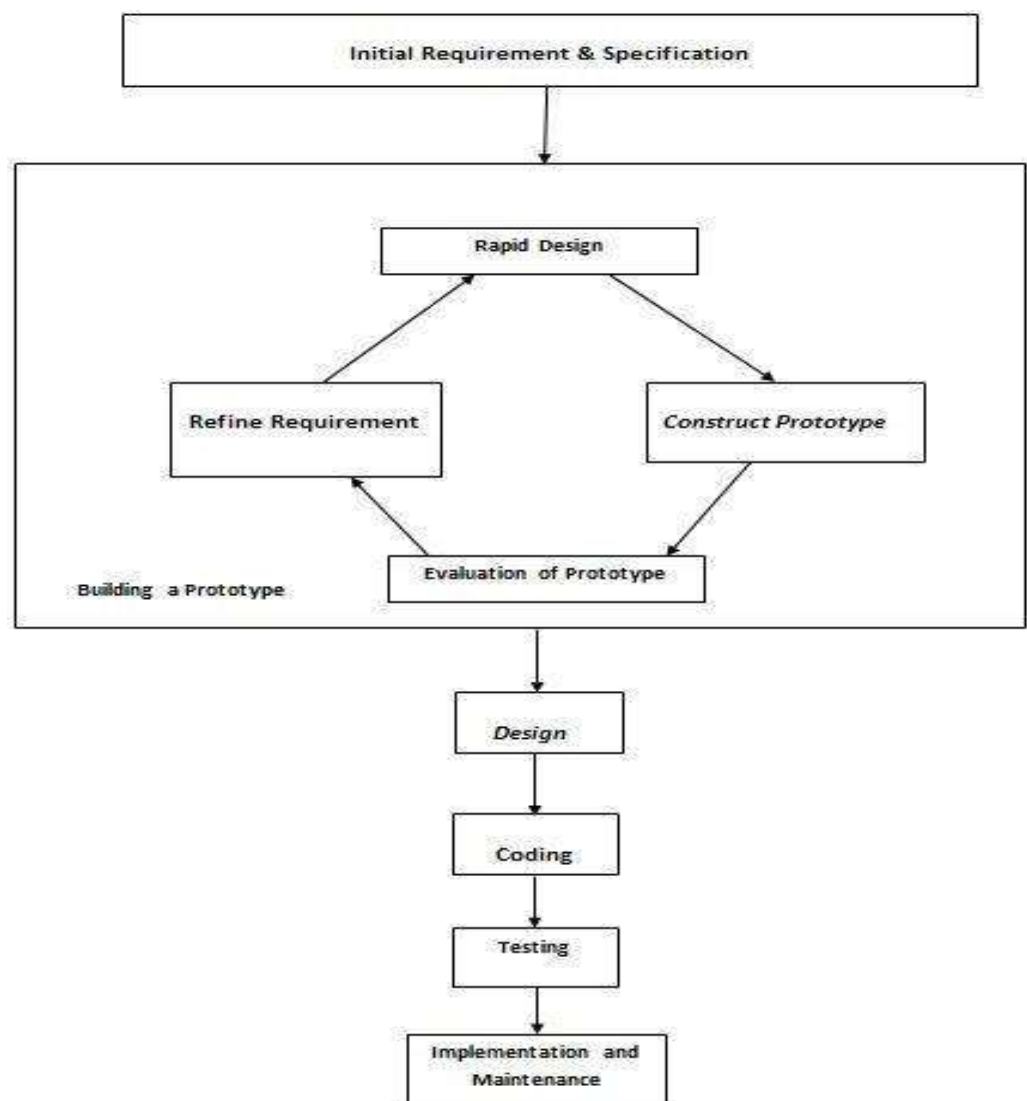
#### ***Appendix A: Glossary:***

- **HTML:** Hypertext markup Language is markup language used to design static webpages.
- **MySQL:** Mysql Database is the database management system that delivers a flexible and cost effective database platform to build robust on demand business applications.
- **HTTP:** Hypertext Transfer Protocol is a transaction oriented client/server protocol between web browser & a Web Server.
- **HTTPS:** Secure Hypertext Transfer Protocol is a HTTP over SSL (secure socket layer)
- **TCP/IP:** Transmission Control Protocol/Internet Protocol, the suite of communication protocols used to connect hosts on the Internet. TCP/IP uses several protocols, the two main ones being TCP and IP.
- **XML:** Extensible Markup Language (XML) is used to describe data. The XML standard is a flexible way to create information formats and electronically share structured data via the public Internet, as well as via corporate networks.

- **Python:** Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together.



### ***Appendix B: Analysis Model:***



## **CHAPTER 11**

### **Software Engineering Paradigm Applied:**

Software engineering is a layered technology. The foundation for software engineering is the process layer. Software engineering processes the glue that holds the technology layers together and enables ratios and timely development of computer software. Process defines a framework for a set of key process areas that must be established for effective delivery of software engineering technology.

Software engineering methods provide the technical how-to's for building software. Methods encompass a broad array of tasks that include requirements analysis, design, program construction, testing and support. Software engineering tools provide automated or semi-automated support for the process and the methods. When tools are integrated so that information created by one tool can be used by another tool, a system for the support of software development, called computer-aided software engineering is established.

### **The following paradigms are available:**

1. The Waterfall Model
2. The Prototyping Model

### **The Prototyping Model:**

The Prototyping model is similar to the waterfall model with some differences. It has been noticed by several system analysts that most of the time, the customer is not sure about the functionality he requires in the software product. In such cases, it is not considered a good practice to develop a product as only perceived by the software development team. Before preparing the SRS documents, the customers must also understand the functionality of the product. Under such circumstances, the prototyping model for software development is used. In this approach a quick design of the product is prepared and shown to the customer. Prototype is a toy representation of the software modified. As per the suggestion of the customer, the prototype is rebuilt and modified. Once the customer accepts the design, the design phase according to the waterfall model starts.



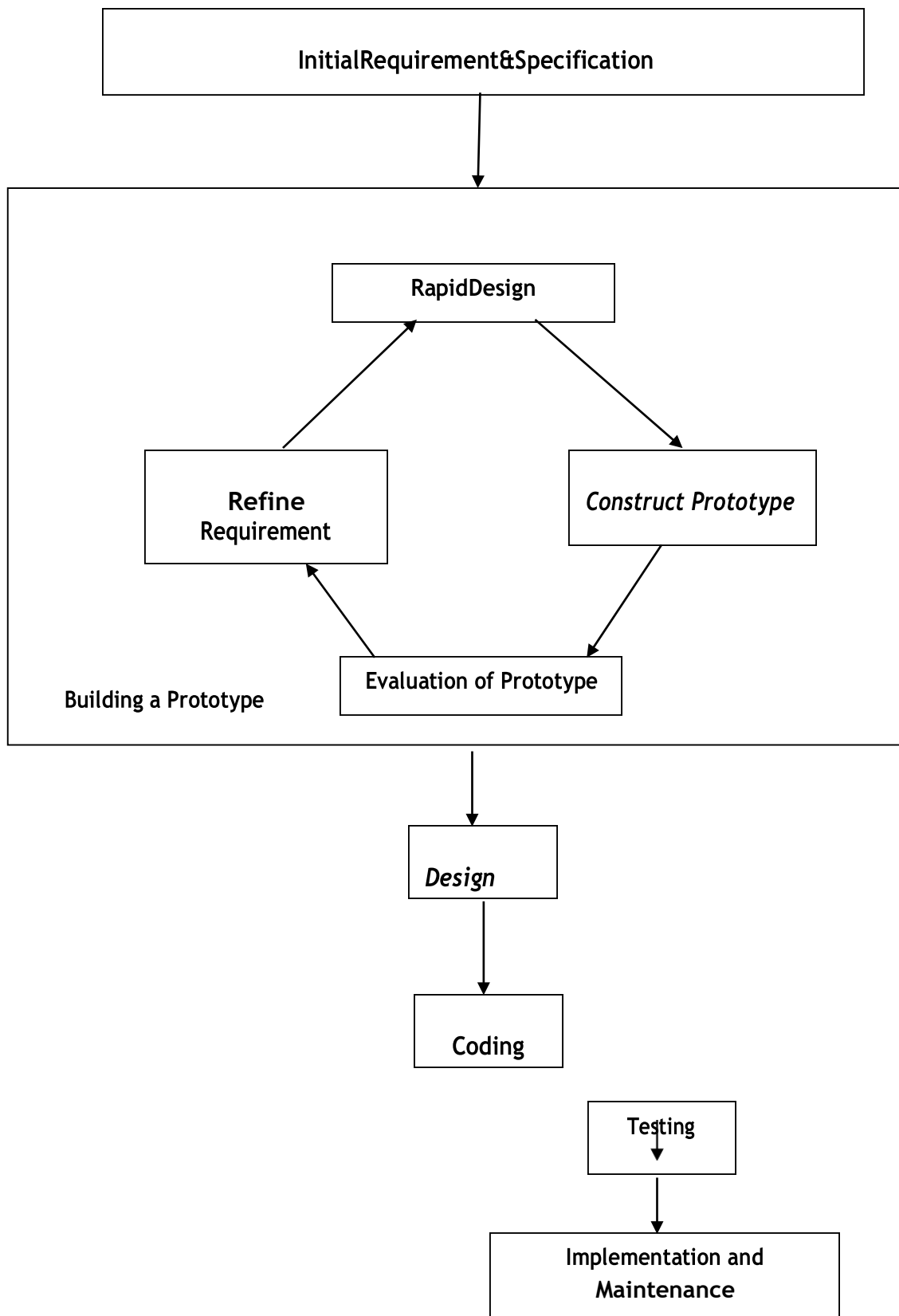


Fig: The Prototype Model

### **The Project is based on Prototype Model as:**

A throw away prototype is built to help understand the requirements. This prototype is developed based on the prototype obviously under goes design, coding & testing, but each of these phases is not done very formally or thoroughly. By using this prototype the client can get an actual feel of the system, because the interactions with the prototype can enable the client to better understand the requirement of the desired system.



In this Project used **Prototype Model** because the system is complicated and large and there is no existing system (computerized) prototyping is an attractive idea. In this situation letting the client test the prototype provides the variable inputs, which help in determining the requirements of the system. It is also an effective method of demonstrating the feasibility of a certain approach.

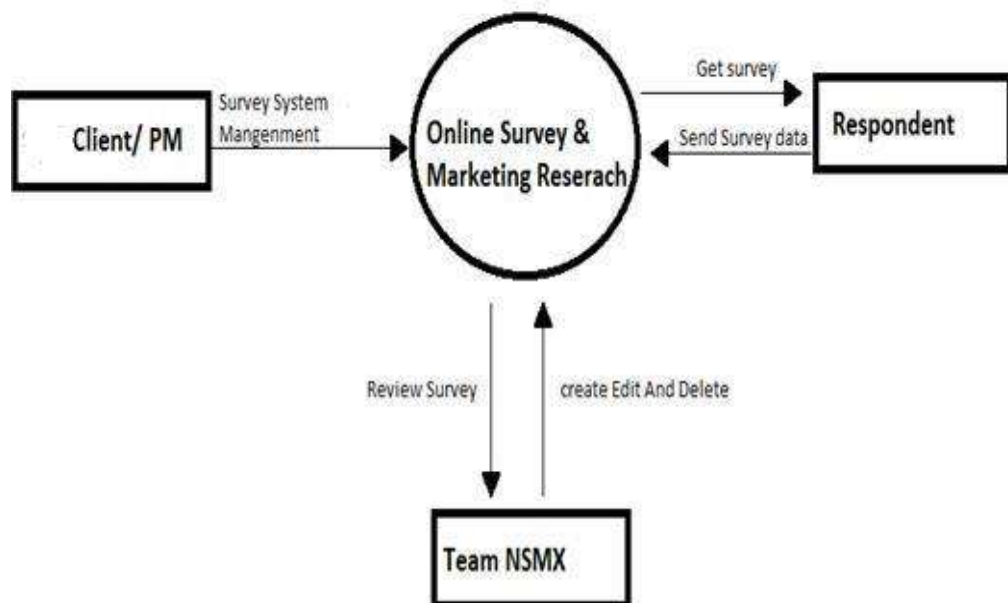
### ***Some Advantages of Prototype model:***

- ☐ Reduces development time.
- ☐ Reduces development costs.
- ☐ Requires user involvement.
- ☐ Developers receive quantifiable user feedback.
- ☐ Facilitates system implementation since users knows what to expect.
- ☐ Results in higher user satisfaction.
- ☐ Exposes developers to potential future system enhancements.

## 9. High Level Design

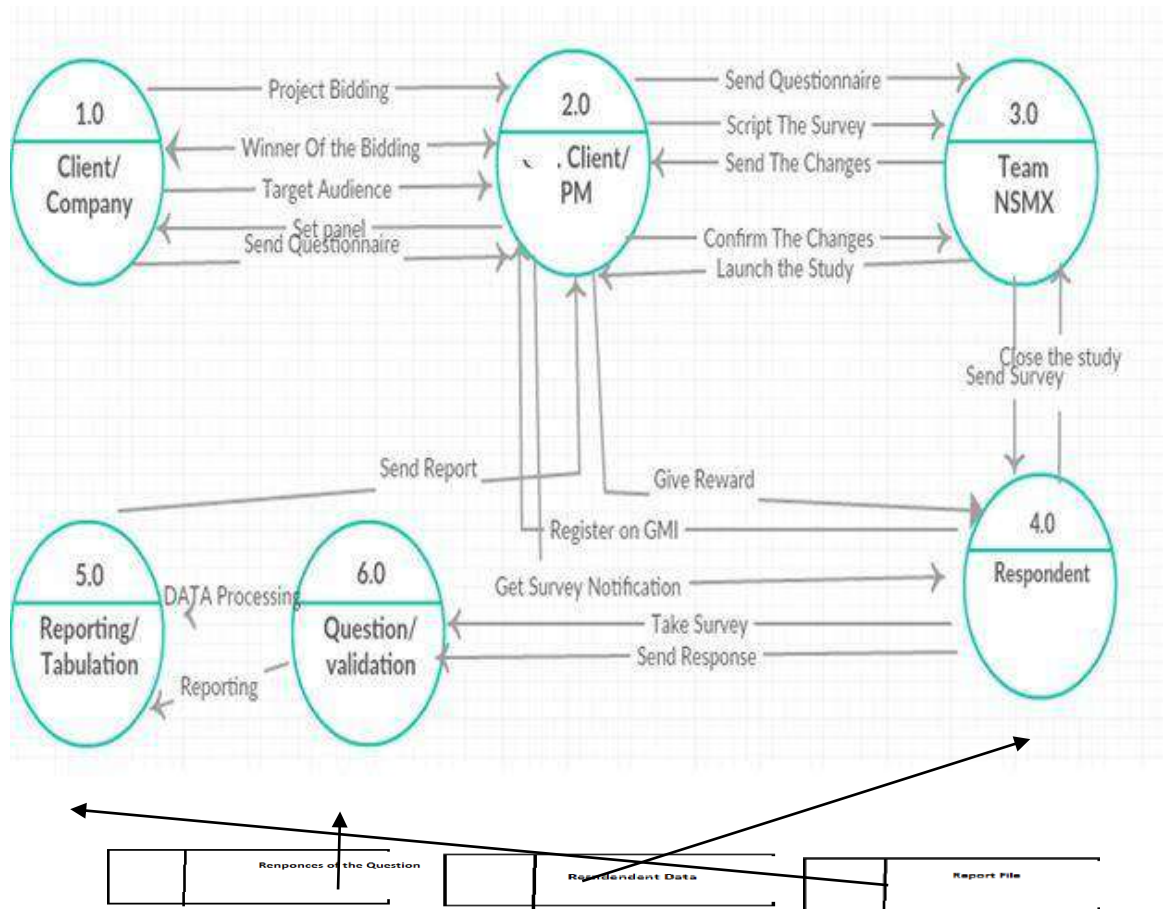
### Data Flow Diagrams:

□ Context/Zero Level DFD:

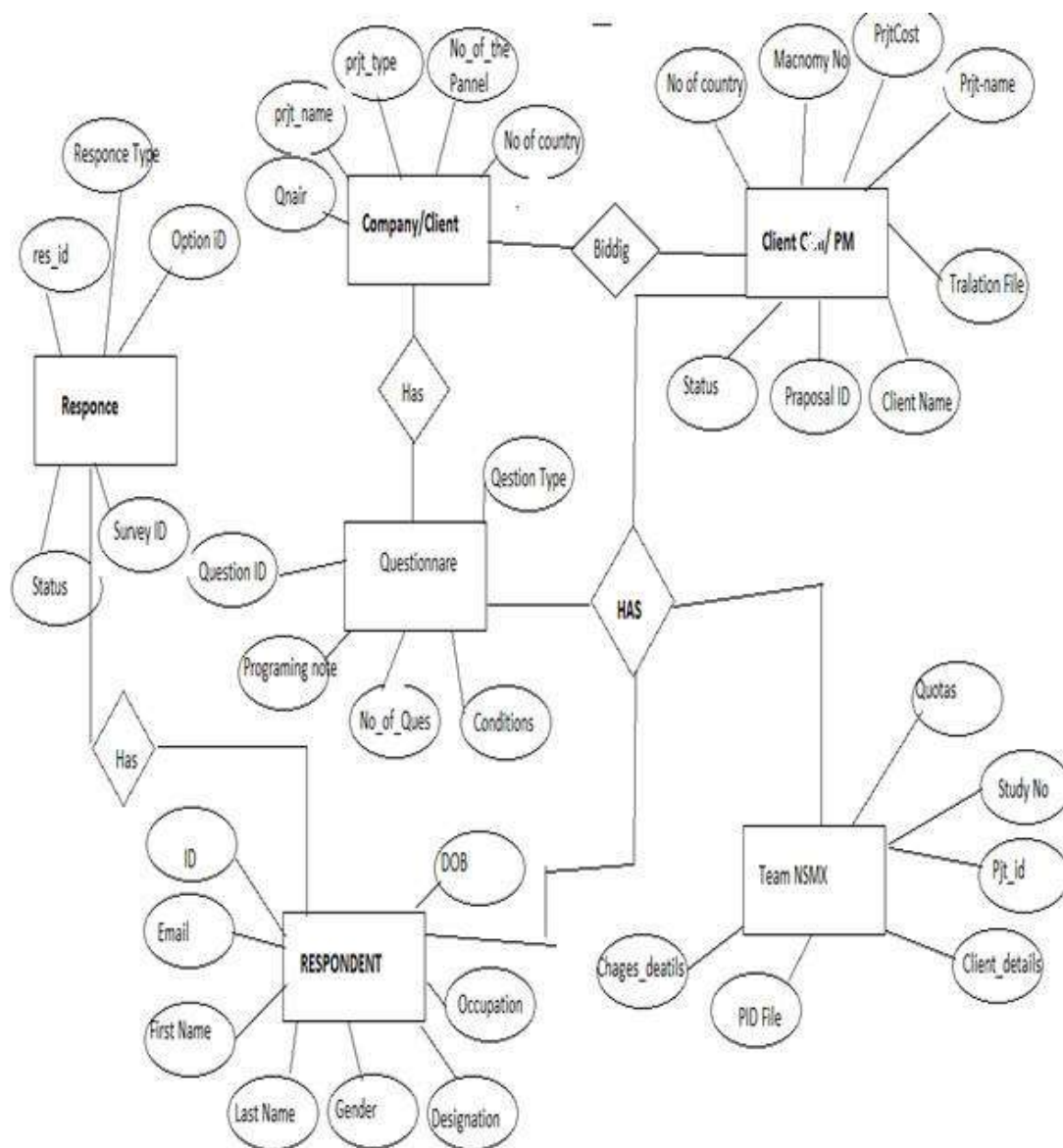




## 1- Level DFD:



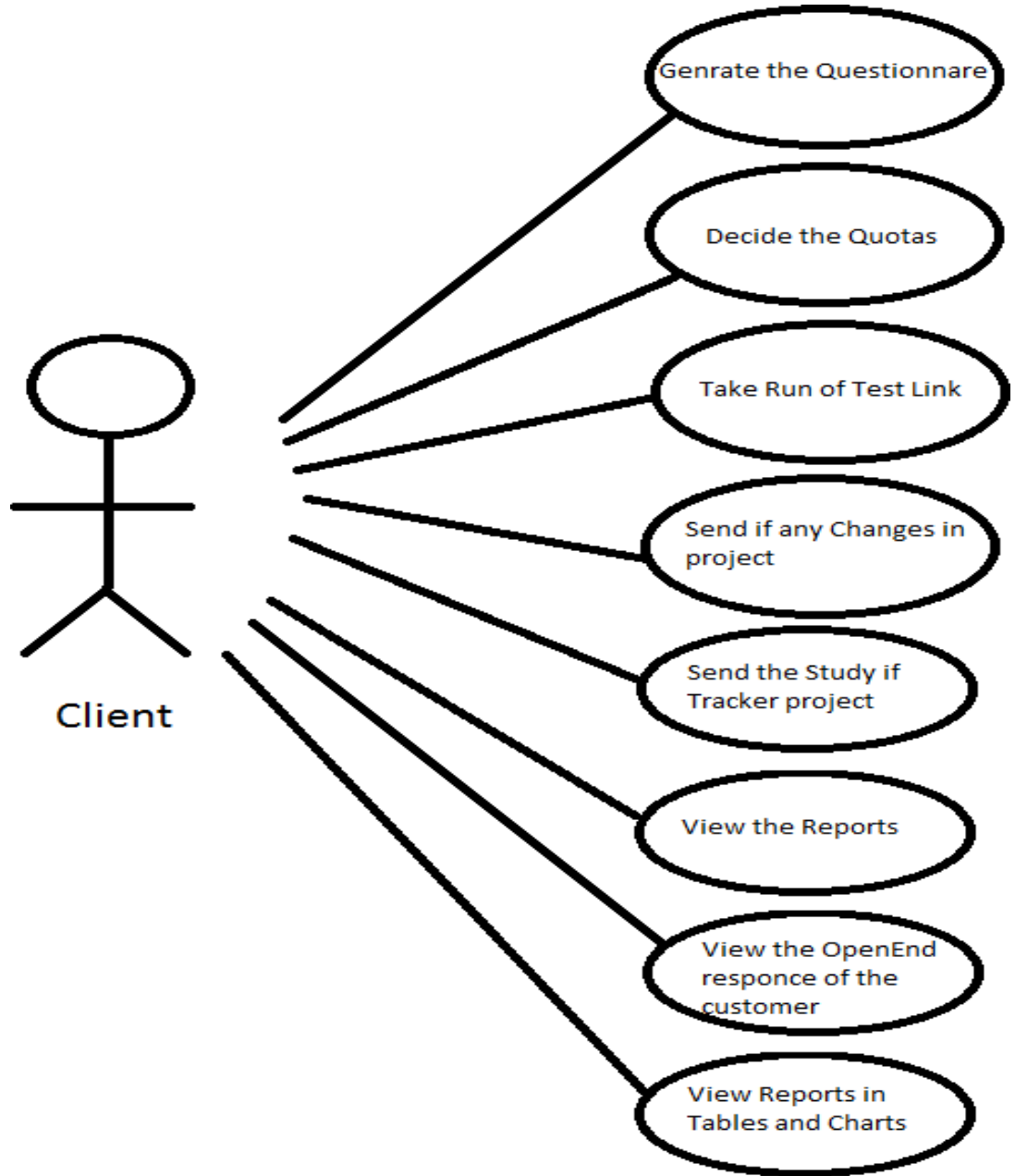
# 1. E-RDiagram:



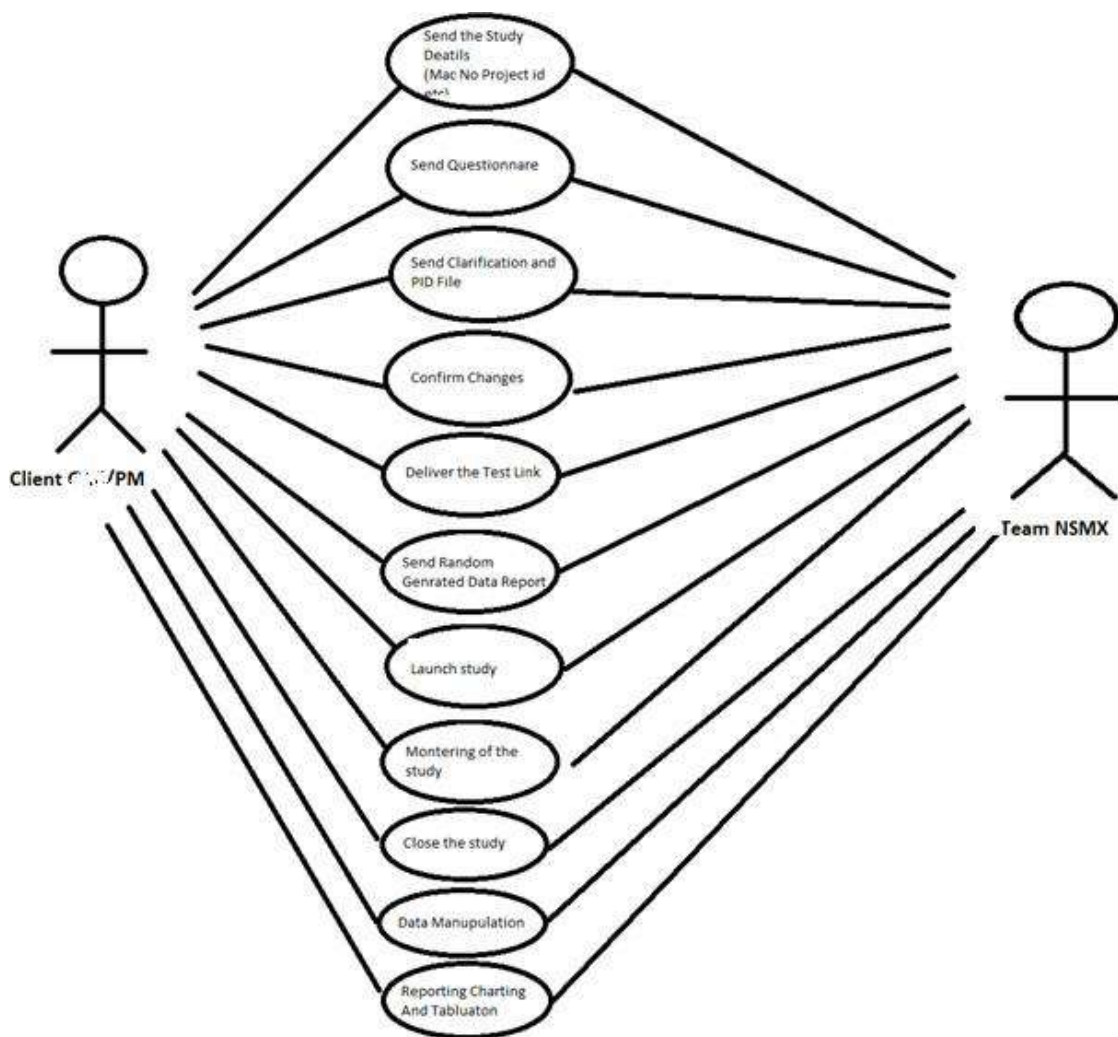
2.

## *Use Case Diagrams:*

Use Case Diagram For Client :



Use Case Diagram For Client And Team NSMX:



## **10. Database Design**

**Database Name:** *Auto taken System*

### **Table Structure:**

- Project Details
- Client Details
- Project Adding in PM Tool
- Heads Up Request Table
- Initial Testing Request
- Client Delivery Details
- Survey Data and Global Variable Capture:
- Quota Tables:
- Drop-Out Table:
- Terminates Table:
- Completion Table:
- Final Respondent data Reports:



**Table: Project Adding in PM Tool:**

<b>Column Name</b>	<b>Length</b>	<b>Data type</b>	<b>Constraints</b>
<b>Project Name</b>	100	Varchar	
<b>Proposal ID</b>	30	Number	Unique
<b>PM - Tool Study Number</b>	6	Number	Primary Key
<b>Maconomy Job Number</b>	10	Number	Unique
<b>Client Company Name</b>	50	Varchar	
<b>Account Manager</b>	50	Varchar	
<b>Primary Project Manager</b>	50	Varchar	
<b>Secondary Project Manager</b>	50	Varchar	
<b>Project Specifications (Adhoc or Tracker)</b>	10	Varchar	

<b>Number of Countries (for Adhoc)</b>	5	Integer	
<b>Country Names</b>	50	Varchar	

**Table: Heads up Request Table:**

<b>Column Name</b>	<b>Length</b>	<b>Data type</b>	<b>Constraints</b>
<b>Date</b>	20	DATE	
<b>Request Type</b>	30	Varchar	Not null
<b>Project ID</b>	45	NUMBER	Not null
<b>Project Name</b>	45	Varchar	Not null
<b>Main Programmer Name</b>	20	Varchar	Not null
<b>Request Time</b>	45	Varchar	Not null
<b>Link Delivery Time</b>	45	Varchar	Not null
<b>Complexity</b>	10	Varchar	Not null
<b>Questionnaire Attached (Y/N)</b>	45	Varchar	Not null

**Table: Initial Testing Request**

<b>Column Name</b>	<b>Length</b>	<b>Data type</b>	<b>Constraints</b>
Project PM – Tool Number #:	10	NUMBER	Primary key
Project Name #:	100	Varchar	
Client:	50	Varchar	
Project Type :	50	Varchar	
(New, Modifications, Wave, Changes, Tracker, con-joint)	50	Varchar	
Total Questions:	10	Integer	
Survey Urls :	500	Varchar	
Complexity: (1/2/3)	1	Integer	
Stimulated Data: (Yes/No)	10	Varchar	
Quota: (Yes/No)	10	Varchar	
Media Files (Yes/No)	10	Varchar	
Feedback Expected	300	Varchar	

**Table: Client Delivery Details:**

<b>Column Name</b>	<b>Length</b>	<b>Data type</b>	<b>Constraints</b>
Project PM – Tool Number #:	10	NUMBER	Primary key
Delivery Date	50	DATE	NOT NULL
Delivery Time:	50	Varchar	NOT NULL
Client Checklist (If any) :			

**Table: Survey Data and Global Variable Capture:**

<b>Column Name</b>	<b>Length</b>	<b>Data type</b>	<b>Constraints</b>
Access Code	30	Varchar	Primary Key
Pannelist	30	Varchar	Unique
Age	5	Integer	
Gender	5	varchar	
Source	10	varchar	Unique

**Table: Quota Tables:**

Column Name	Length	Data type	Constraints
Quota Name	50	Varchar	Not Null
Limit	50	Number	Not null
Total	50	Number	Not null
Need	50	Number	Not Null



The screenshot shows a database management interface with two tables. The first table, 'Quota', has columns: QuotaName (Varchar, 50), Limit (Number, 50), Total (Number, 50), and Need (Number, 50). The second table, 'Drop-Out', has columns: Page (Number, 10), Question (Varchar, 200), Completed(%) (Varchar, 50), and Time (Time, 20). The tables are displayed in a grid format with a header row for each table.

**Table: Drop-Out Table:**

Column Name	Length	Data type	Constraints
Page	10	Number	Unique
Question	200	Varchar	Not Null
Completed (%)	50	Varchar	Not Null
Time	20	Time	Not Null

Page	Question	Completed	Time
1	Answer:	1/1 (100%)	0:05
2	What statement best describes your...	1/1 (100%)	0:05
3	What statement best describes your...	1/1 (100%)	0:05
4	Are you at all of your immediate term...	1/1 (100%)	0:05
5	Where type in your degree years...	1/1 (100%)	0:05
6	Reason:	1/1 (100%)	0:05
7	Would you record age part?	2/2 (100%)	0:02
8	Have you ever engaged legal represent...	2/2 (100%)	0:05
9	Are you intending to engage legal rep...	2/2 (100%)	0:07
10	Phone:	0/0	
11	Number for S5 and S6	2/2 (100%)	0:02
12	And how long ago did your most recent...	2/2 (100%)	0:10
13	And how long ago did your most recent...	2/2 (100%)	0:05
14	Reason:	1/1 (100%)	0:05

**Table: Terminates Table:**

Column Name	Length	Data type	Constraints
Non-qualified: Cross Quota	20	Number	Not Null
Overquota	20	Number	Not Null
Dupe (cookie/ID)	20	Number	Not Null
Age term	10	Number	Not Null
S4		Number	Not Null
S5 And S6	10	Number	Not Null
S7A		Number	Not Null
Total Terminates	10	Number	Not Null

	Total
Click-Through	1
Partial Completes	100
Over quota	1
Qualified Completes	100
Participation Rate	1
Incidence (with Over quota)	1
Incidence (without Over quota)	1
Completion Time (average)	1
Total	100

**Table: Completion Table:**

Column Name	Length	Data type	Constraints
Click-Through	20	Number	Not Null
Partial Completes	20	Number	Not Null
Over quota	20	Number	Not Null
Qualified Completes	20	Number	Not Null
Participation Rate	20	Number	Not Null
Incidence (with Over quota)	20	Number	Not Null
Incidence (without Over quota)	20	Number	Not Null
Completion Time (average)	20	Number	Not Null

Completion Time (median)	20	Number	Not Null
Total	20	Number	Not Null





**Screen Shots:**

**Login Page:**

The screenshot shows the Oracle Primavera P6 software interface. The top navigation bar includes 'Home', 'Tools', 'Reports', 'Project', 'Tools', 'Settings', 'Support', 'About', and 'Account'. The left sidebar shows 'Project' and 'Tools' tabs. The main area displays a Gantt chart for a project named 'Naturally - All'. The chart shows three tasks: 'Naturally - All' (green bar), 'Naturally - All' (yellow bar), and 'Naturally - All' (red bar). The tasks are scheduled from 2015/04/26 to 2015/05/01. The interface includes a top navigation bar with 'Home', 'Tools', 'Reports', 'Project', 'Tools', 'Settings', 'Support', 'About', and 'Account'. A left sidebar shows 'Project' and 'Tools' tabs. The main area displays the Gantt chart with task names, start/end dates, and duration.

**After login Home Page:**

STANDARD LOGIN

Email

Email

Password

Password

☐ Trusted Computer (Remain logged-in for longer)

☐ By logging in, I consent to the cookie policy

Sign In



## Row Picker

```
<comment>$[helper(24)]</or>  
ga-tool='ip'  
</comment>  
<exec>  
##### WHEN COPYING, PLEASE REMOVE THIS MACRO, UNLESS YOU ARE AIMING TO CHANGE THE CONTENT COLOURS #####  
the sun cannot shine so I pulled CSS-["sunrise"] away from the "loss red" compiled css here!
```

[Case24] ATL1 EXEC COND

Which of the following do you own?

qa:tool="rp"

- ☐ [1] A bank account
- ☐ [2] A car
- ☐ [3] A digital camera
- ☐ [4] Home entertainment
- ☐ [5] Household electronics



## 2.) Drag and drop.


Please sort these brands by country.













Please drag and drop each option onto one of the choices below.

qa.tool="dd" qa.type="image\_image"

(a maximum of 6 columns are allowed)

BRAND ABC




					
 Germany	 France	 Italy	 Japan	 USA	 UK




### 3.) Grid Matrix


[illegible]

## 4. Drag and Flag

Would you rate the following brands?  
Please drag each option and place on the range below  
qa:tool="ld" qa:atype="image\_end-image"

 BRAND XYZ

Dislike very much    Like very much

 Prefer not to answer 50% Avg





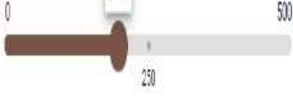


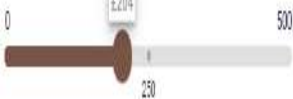

[Answer for this](#)

## 5.) Link Slider

Please move each slider to indicate what proportion of your budget you would allocate to each option.

qa.tool="ls" qa.type="Image" qa.remainsr="Remaining:"

Remaining: £0

	 0 £198 500 250
 A digital camera	
	 0 £198 500 250
 Home entertainment	
	 0 £204 500 250
 Computer	



## 6.) Scrolling Matrix.

0%

```
<creation
label= Case8
cond= types:11Q.01 or Q16int:1 and Q3Scale:12 and Q4RowImages:2 and Q3ColImages:2 and Q16int:12 and Q3int:12
afixes= 1
qa:atype= text_text
qa:palette= g:blue
qa:tool= sm
uses= qpts:3 >
<title>In terms of dietary choices, which of the following...?</title>
<comment>By:help:61</by>
qa:tool= sm qa:atype= text_text
</comment>
<save>
```

Case8 4121 0101 0101

In terms of dietary choices, which of the following...?

qa:tool= sm qa:atype= text\_text

1/2

☒ Applies to you personally

☐ ☒ Low carb diet

☐ ☒ Gluten free diet

☐ ☒ High protein diet

☐ ☒ Other ~~SHF~~

☐ ☒ None of these ~~SHF EXC~~

answer for me.

## CHAPTER 12

### Question Level Info:

Options updated

Survey Elements

Kaushal\_Training\_Project

Sample Sources

(info1) Welcome to our survey! This

Exit Pages

Info1: Comment

Style: Basic | Save to Library | Preview

text:

Welcome to our survey!

The survey will take around 20 minutes for you to complete. Please answer each question on your screen before proceeding to the next screen. If you require a break at any stage, you can close your browser and return to the survey at a later time. All you need to do to resume is return to the My Survey portal and the survey will be waiting for you.

If you experience any technical issues please:

Comment Options

Welcome to our s...rt@fiftyfive5.com

Show if: all

+ New Condition

Languages: all

all

English

Open Language Manager

Options

More Options: Choose one

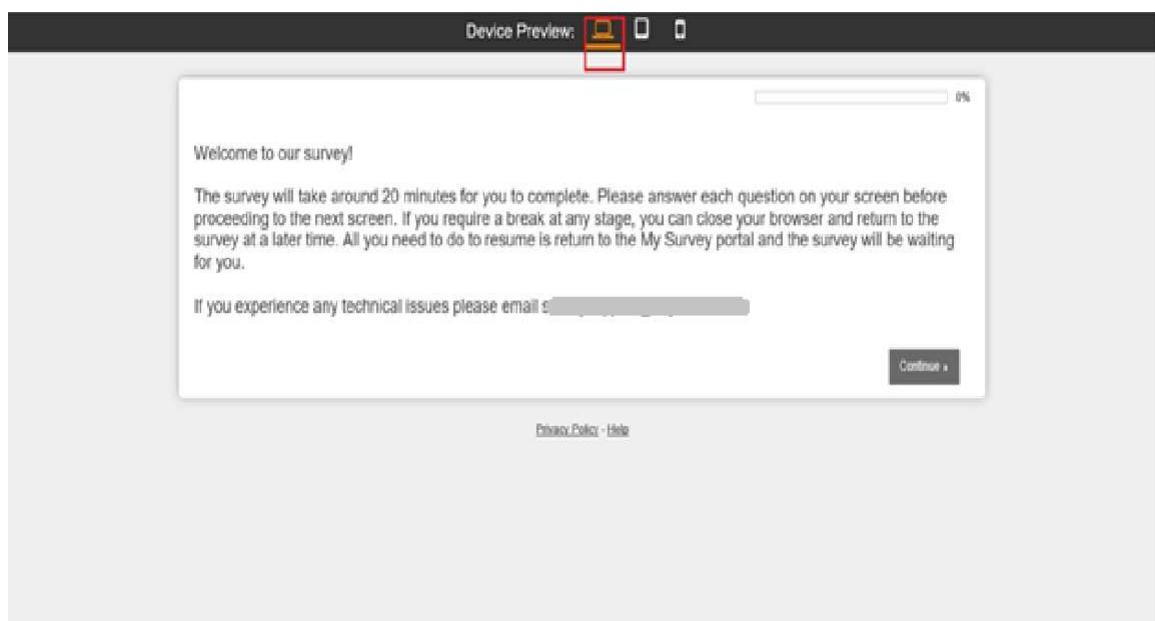
Raw Options:

Page Break

Add Survey Element

## **Device Preview:**

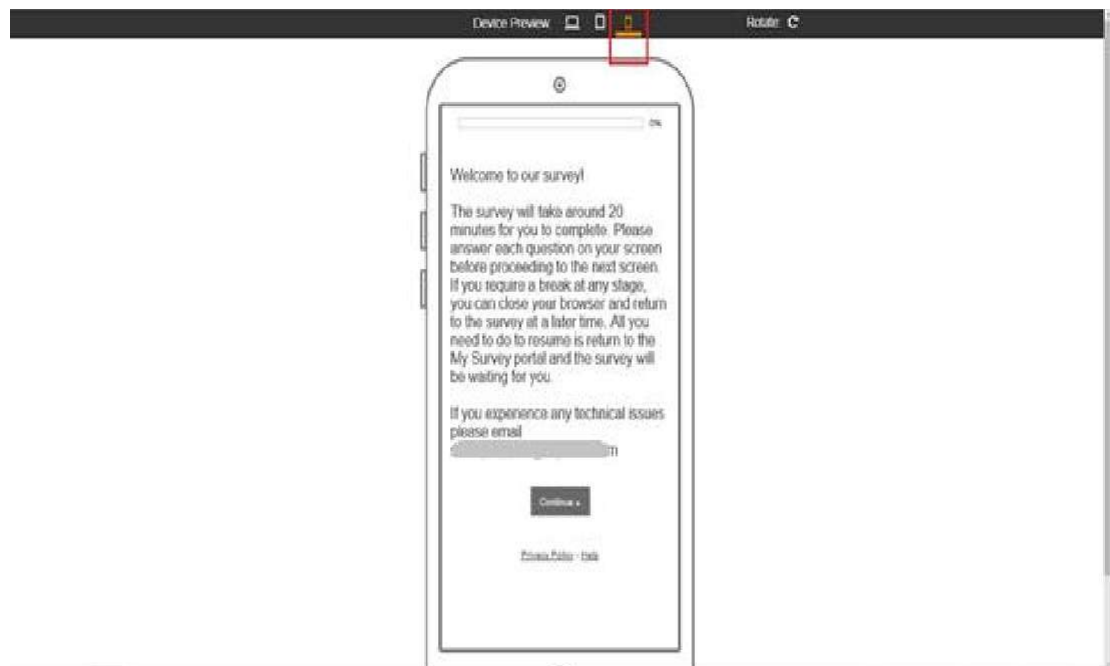
### **1. Desktop Preview**



## 2. **Tab Preview:**



## 3. **Mobile Preview:**



## **Multi Select Question:**

A screenshot of a survey question titled "which companies are in your mind to opt?". The question is displayed in a white box with a progress bar at the top right showing 0%. Below the question, there is a list of six options, each with a radio button and a checkmark:   
- S1:1 ✓ name   
- S1:2 ✓ raffoni   
- S1:3 ✓ infocap   
- S1:4 ✓ eccomute   
- S1:5 ✓ experts   
- S1:6 ✓ school   
At the bottom right of the question box, there are two buttons: "Previous question" and "Continue".

## **Condition on Question:**

A screenshot of a survey editor interface. The main area shows a "Term" element with a title "S1". Above the title, there is a condition "Show if: (S1.r1 or S1.r2 or S1.r4)". To the right, the "Terminate Options" panel shows a condition "Show if: (S1.r1 or S1.r2 or S1.r4)" with a checkmark. Below the condition, there is a "+ New Condition" button and a "Languages: all" dropdown. The left sidebar shows a list of survey elements, including "Training\_level\_2New", "Sample Sources", and various question elements like "[INFO] Welcome to our survey!", "[INTRO] Firstly, to ensure we are s...", "[S1] Do you or any of your immed...", "[term1] Thank you for your intere...", "[S2] Please type in your age in yea...", "[S3] Are you...?", "[S4a] Where do you live?", "[S4b] Please type in your postcode...", "[term3] Thank you for your intere...", "[S4]", and "[term2] Thank you for your intere...".

goes21

Relation Status.

Select one

☒ single

☐ married

☐ de-facto

answer for me   < Back   Continue >

[Privacy Policy](#) - [Help](#)

### **Radio Select Question**

### **Number Open-end with Validation:**



Survey25

how old are you

Please be as specific as possible

19

proceed to the next question » Back Continue »

Privacy Policy » 20%

### **Hidden Question for Respondent:**



\*\*\* RESPONDENTS WILL NOT SEE THE ELEMENT WITH THIS FIELD. \*\*

Survey25

Age

Select one

☐ 18-24 ☐ 25-34 ☐ 35-44 ☐ 45-54 ☐ 55-64 ☐ 65-74 ☐ 75+

proceed to the next question » Back Continue »

Privacy Policy » 30%

**Single Select Hidden Question:**

PortalBuildTestDistributeReportTraining\_level\_2New DEV

avinash.pallariHelp

ActionsView Options

Survey Elements

Training\_level\_2New

Sample Sources

[INFO] We come to our survey! Th

[INTRO] Firstly, to ensure we are s

[S1] Do you or any of your immed

[term1] Thank you for your intere

S1

[S2] Please type in your age in yea

[S3] Are you...?

[S4a] Where do you live?

[S4b] Please type in your postcode

[term3] Thank you fo your intere

S4

x = (S2.val) Age = 2017 - x

[hid52b] Hidden to recode age par

x = (S2.val) Age = 2017 - x |

[hid52c] H dden to recode age par

[term2] Thank you for your intere

Select one

Rows

r1	1	less than 18
r2	2	18-24
r3	3	25-29
r4	4	30-34
r5	5	35-39
r6	6	40-44
r7	7	45-49
r8	8	50-54
r9	9	55-59
r10	10	60-64
r11	11	65 or more than

+ New Row

Add Columns

Page Break

+ Add Survey Element

Single Select Options

Hidden to recode age part1

Label: hid52b Type: single select

Show if: all

Languages: all

Options

Mandatory: ☐

Randomize: ☐ Rows

☐ Columns

☐ Groups

Rating/Scale: ☐

where: execute,survey,rep

More Options: Choose one. ?

Raw Options:

Raw Validate:



Single Grid Hidden Question:

PortaBuildTestDistributeReportTraining\_level\_2NewDEV

avinash.paltaniHelp

ActionsView Options

Survey Elements

[hidA5] And if you had a new legal ne

[A6] And if you had a new legal ne

</> for itr1 in range(len(A6.rows)

[hidA6] And if you had a new legal

[A9] And if you only had a choice c

[B1] Listec below are a number of

</> print("hello") a1=B1.r1.val -

# [hidB1] Hidden question to recor

[B2a] Bclow are a number of firms

[B2b] Below are a number of firms

[B2c] Below are a number of firms

[IN+O\_C] Now thinking back to you

[C1] Which is any of the following

</> for itr in range(len(S7A.rows)

[hidS7aX1] Hidden for C2 and C3

hidA6 : Single Select

Style: BasicSave to LibraryPreview

Question:

And if you had a new legal need for Family law services, how likely would you be to consider the following legal services providers?

Instruction:

Please select the one answer that most applies

Rows

Row Actions

r3Slater & Gordon

r1Pannone

r2Irwin Mitchell

+ New Row

Columns

Column Actions

c11Definitely wouldn't consider

c22Wouldn't consider

c33May or may not consider

Single Select Options

And if you had a...vices providers?

Label: hidA6Type: single select

Show If: all

Languages: all

Options

Mandatory: ☒

Randomize: ☐ ROWS☐ Columns☐ Groups

Rating/Scale: ☐

Where: execute,survey,resp

More Options: Choose one...

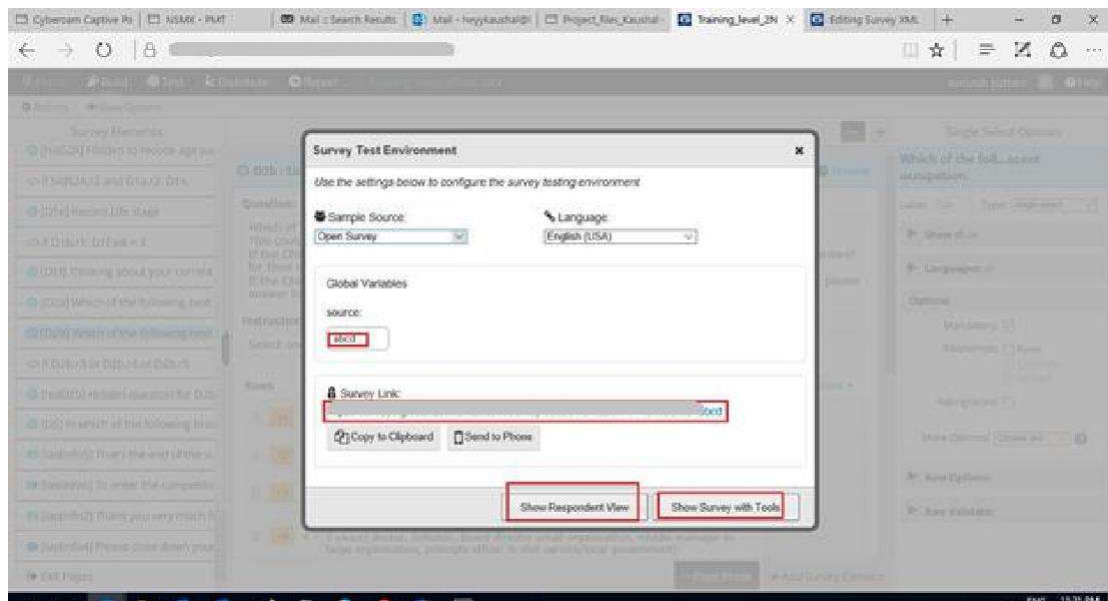
Raw Options:

Raw Validate:

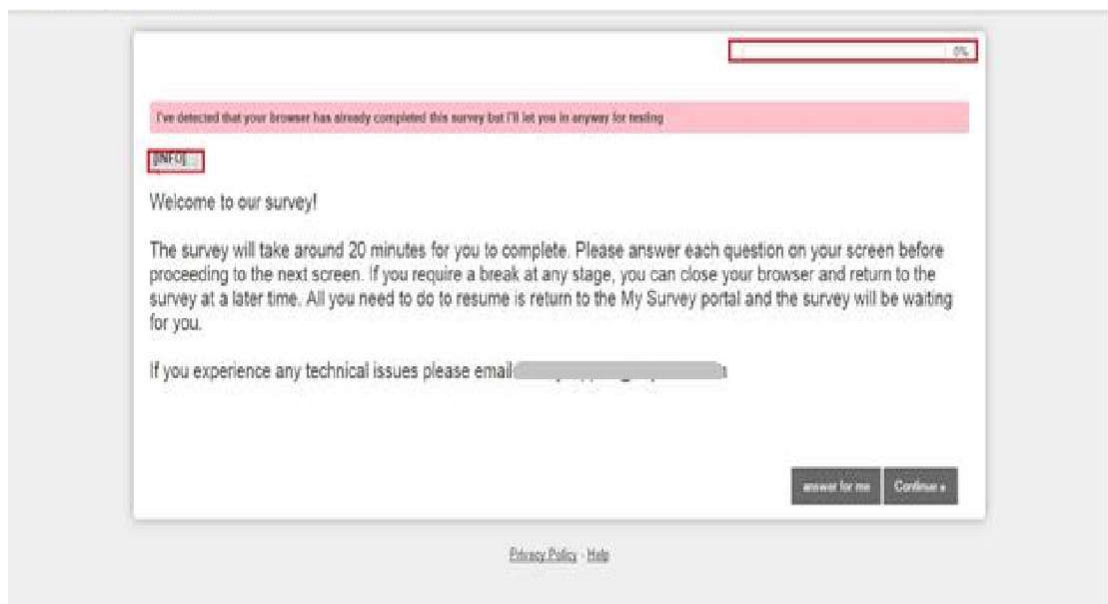
Page BreakAdd Survey Element

ENC 11:20 P14

## **Testing Environment:**



## **Simple Info Question with Testing Tool:**



## **Multiselect Question:**

The screenshot shows a survey question titled "Do you or any of your immediate family work in the following industries?" with the instruction "Please select all that apply". The question is identified by ID [S1] and is part of a section named "SHF(n) ATL:1". A progress bar at the top right indicates 0% completion. The list of industries includes: Hospitality, Food manufacturing or sales, Medical professionals, Legal services, Public relations/politics/media, Marketing/market research/advertising, and None of these. Each item has a checkbox and a label in brackets: [r6] for Hospitality, [r3] for Food manufacturing or sales, [r5] for Medical professionals, [r4] for Legal services, [r2] for Public relations/politics/media, [r1] for Marketing/market research/advertising, and [r7] for None of these. The "None of these" option is also labeled with "SHF" and "EXC". At the bottom right, there are buttons for "answer for me", "< Back", and "Continue >". Below the question box, there are links for "Privacy Policy" and "Help".

Do you or any of your immediate family work in the following industries?  
Please select all that apply

[r6] ☐ Hospitality

[r3] ☐ Food manufacturing or sales

[r5] ☐ Medical professionals

[r4] ☐ Legal services

[r2] ☐ Public relations/politics/media

[r1] ☐ Marketing/market research/advertising

[r7] ☐ None of these

answer for me < Back Continue >

[Privacy Policy](#) - [Help](#)

## **Multiple Question on Same Page:**

The screenshot shows a survey page with multiple questions. The first question is "Please type in your age in years:" with a text input field and a "Next" button. The second question is "Are you...?" with a "Select one" dropdown menu and a "Next" button. The third question is "Where do you live?" with a "Select one" dropdown menu and a "Next" button. The fourth question is "Please type in your postcode:" with a text input field and a "Next" button. The page has a progress bar at the top right indicating 75% completion. At the bottom right, there are buttons for "answer for me", "< Back", and "Continue >".

Please type in your age in years:  
Enter a number

Age

Next

Are you...?  
Select one

Male

Female

Next

Where do you live?  
Select one

Share house

Coun

East Midlands

London

North East

North West

South East

South West

Yorkshire / Midlands

Wales

Next

Please type in your postcode:  
Enter a number

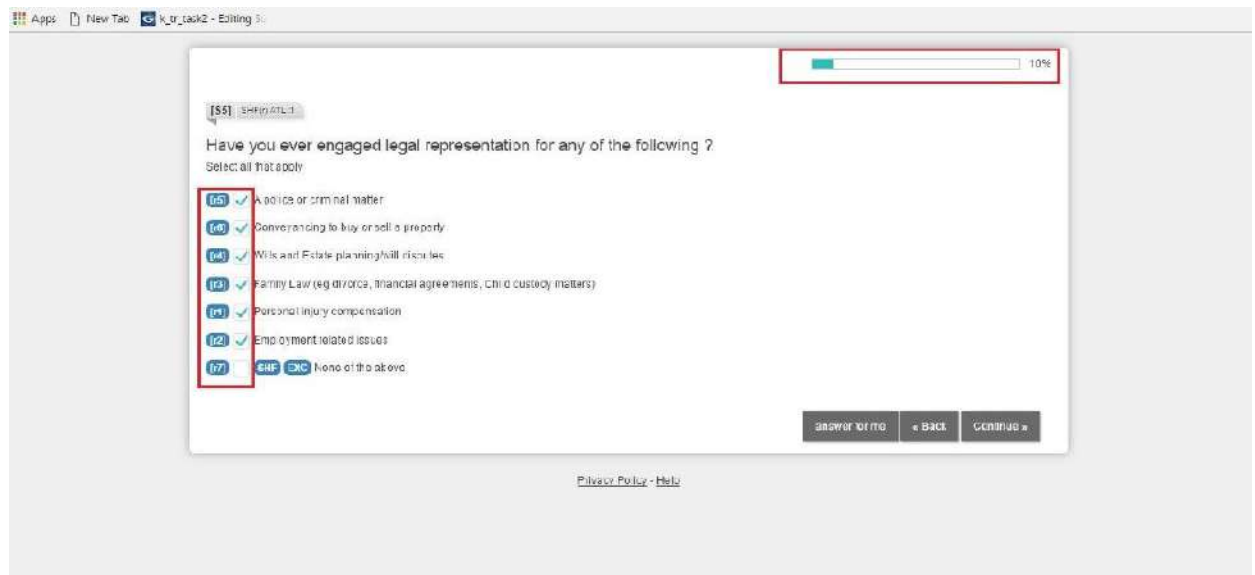
Postcode

Next

answer for me < Back Continue >

### **Hidden Question Not visible to respondent:**

### **Multiselect with Progress bar:**



Apps New Tab k\_or\_task2 - Editing 50

10%

[55] [SKIP/ATL1]

Have you ever engaged legal representation for any of the following ?

Select all that apply

- ☒ A police or criminal matter
- ☒ Conveyancing to buy or sell a property
- ☒ Wills and Estate planning/will disputes
- ☒ Family Law (eg divorce, financial agreements, child custody matters)
- ☒ Personal injury compensation
- ☒ Employment related issues
- ☒ None of the above

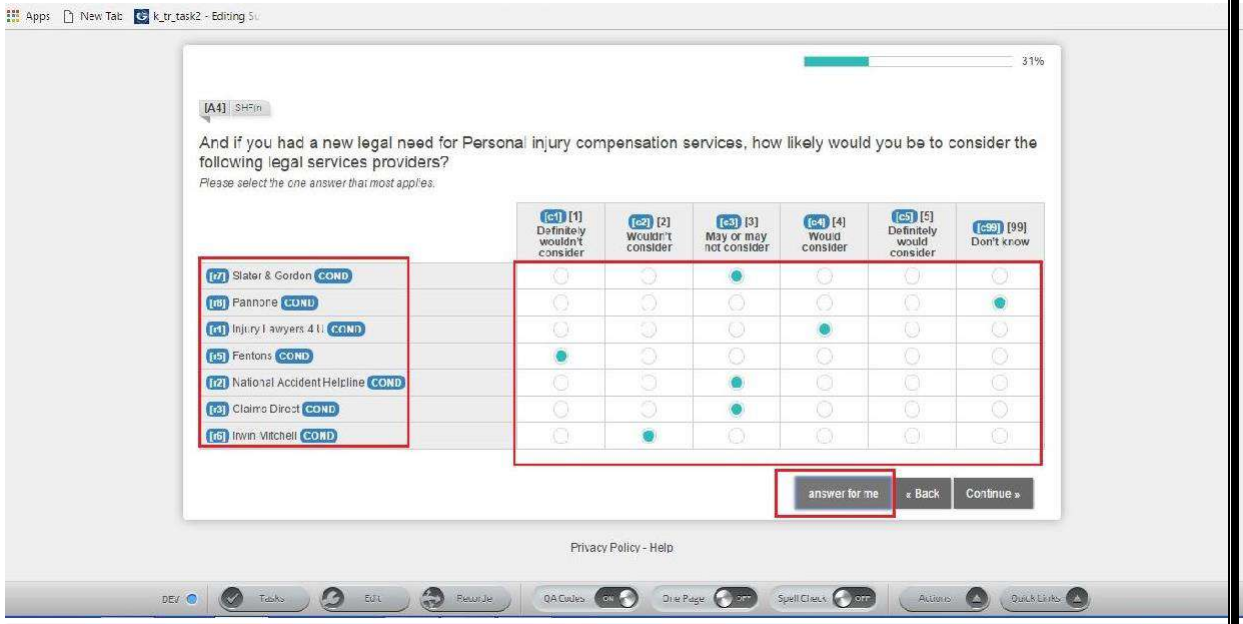
SHOW MORE BACK CONTINUE

[Privacy Policy](#) [Help](#)

**Testing Tool with Value Recorder:**



**Single Grid Question with Recorder:**



## Rating Question:

## Validation On the Text Box (with Incorrect data):

Are you aware with the following celebrities and how do you like them?  
Drag the slider to a point on the scale.

	0 I don't know him	1 Like	2 Slightly like	3 Slightly dislike	4 Dislike
1. Aaron Aziz	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
2. Shahiezy Sam	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Bront Palare	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
4. Nazim Othman	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Shah Iskandar	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Shahrizal Jazie	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Fahrin Ahmad	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. Fizo Omar	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
9. Norshahrul Idlan Talaha	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. Aiman Hakim	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

There were problems with some of the data you entered in the survey. You will find the questions with errors below; please follow the instructions attached to each question.

[S2] VRPancake199

Please type in your age in years:

Sorry, but the value must be no more than 99.

Enter a number

Age

[11] 199

answer for me « Back Continue »

Privacy Policy - Help

52. Please type in your age in years

Answers

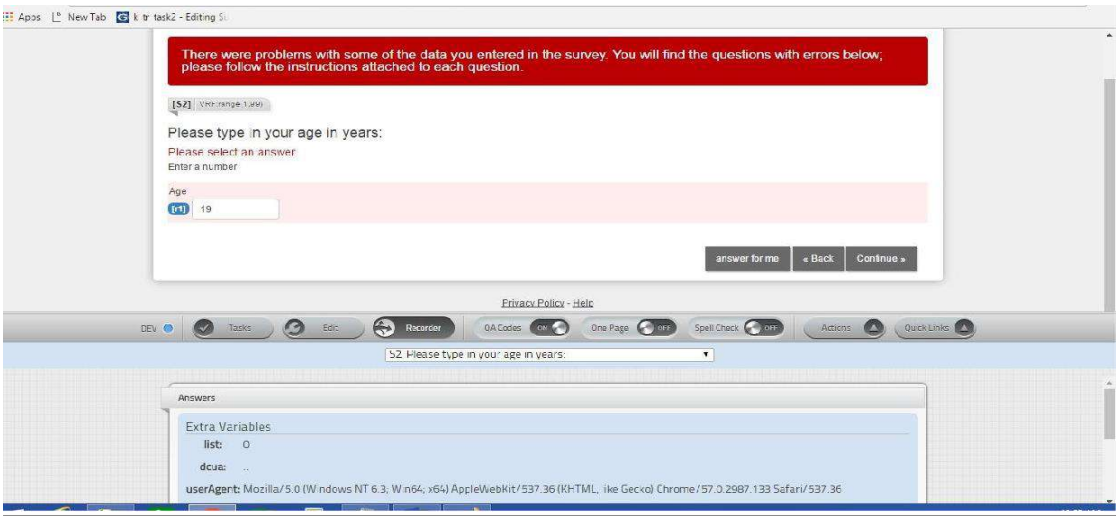
Extra Variables

list: 0

dcua: ..

userAgent: Mozilla/5.0 (Windows NT 6.3; Win54; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/57.0.2987.133 Safari/537.36

**With correct data:**



**Auto Punch on Hidden Question:**





## **Hover Text Question:**

The screenshot shows a survey interface in a web browser. At the top, a progress bar indicates 19% completion. The question is: "Which of the following best describes your compensation or personal injury matter?" with a subtext: "If you have experienced more than one compensation or personal injury matter, please answer with the latest matter in mind." There are two radio button options: "Claim is between £1,000 and £25,000" (selected) and "Claim is more than £25,000". A red-bordered hover text box is positioned over the first option, containing the text: "Have visited your GP or A&E (but in hospital less than 2 days) and/or have been off work for less than 3 months (or less than 6-8 weeks if self-employed)". Below the options is a "close" button. At the bottom of the question box are buttons for "answer for me", "Back", and "Continue". The browser's developer toolbar is visible at the bottom, showing various tools like Recorder, QA Codes, One Page, Spell Check, Actions, and Quick Links.

## **Loop Question:**

The screenshot shows a survey interface in a web browser. A progress bar at the top indicates 26% completion. The question is: "How long has the claim taken so far?" with a subtext: "Be specific". The text "Personal injury compensation?" is highlighted in blue. Below the question is a text input field. A small "question" button is located to the right of the input field. At the bottom of the question box are buttons for "answer for me", "Back", and "Continue". Below the question box, the text "Privacy Policy - Help" is visible. The browser's developer toolbar is visible at the bottom, showing various tools like Recorder, QA Codes, One Page, Spell Check, Actions, and Quick Links.



## CHAPTER 13

### Market Research-Quality Analysis & It's Types

- Basically in Market research-Quality Analysis we test and check whether online surveys are correctly implemented or not.
- In this, there are different methods of testing through which we test online surveys.
- Different Types of Testing are:-
  - **Manual Testing:** - There are three types of testing in it.
    - **Textual:** - In this, we check for textual errors that might be done by the programmer while preparing online survey.
    - **Logical:** - In this we logically check that correct implementation of logics has been there or not in the online survey. Some of the logics are Skipping, Piping, Masking, Randomization, Rotation, Terminates Exclusive and Cascading.
    - **Aesthical :-** In this we aesthically check whether survey is correct or not.
  - **Random Data Generation (RDG):**- Respondent Data Testing by Random Data Generator.
  - **Q-Arts:** - It is a type of testing focusing more on look and feel of the Survey. In this testing there are sixteen KPI's Guidelines which has to be followed while doing Q-Arts testing. Following are the
    - **KPI'S Guidelines :-**
      - Intelligent Layout Usage
      - Correct RI Instruction.
      - Text Hierarchy
      - Text conciseness.
      - Placeholder's Text
      - Cap-Values.

- symmetry
- Display Don't Know Option.
- Auto-Submit
- Question Usage
- Image Usage
- Scrolling
- Sizing
- Question Type Differentiation
- Scanning Patterns.

1. Other Types of testing are **Mobile and Browser Testing** in which we test on Different Browsers and mobile devices and Tabs to check whether survey is working fine or not.

## TestCases

:

<b>Project History</b>			
<b>Project ID</b>	1512 2		
<b>Test Case History</b>			
<b>Create d By</b>		<b>D a t e C r e a t e d B y</b>	01-04- 2021
<b>Review ed By</b>		<b>D a t e R e v i e w e d B y</b>	10-04-2021
<b>Appro ved By</b>	<b>AMI SH HUS AIN</b>	<b>D a t e L a s t U p d a t</b>	15-04-2021

		e d	
Test Execut ed By			

**1. Test Case Name: Logical Test\_RUN**

**Test Case Objective:** Logical Testing Of the Survey Study

	T e s t D e s i g n	I n p u t D a t a	E x p e c t e d R e s u l t	A c t u a l R e s u l t			C o m m e n t s	
	E n t e r t h e a g e	1 2	T e r m i n a t e	T e r m i n a t e d			U n d e r a g e t e r m i n a t e	
	P o s t a l c o d e	1 2 3 4	E r r o r	E r r o r m e s s			S h o u l d 5 d i	77

	t e s t i n g			a g e			g i t	
	R e c o d e f o r a g e	2 0	1 8 - 3 4	F u n c h 1 8 - 3 4			R e c o d e f o r a g e q u o t a	
	A n s w e r M a s k i n g	2 O p t i o n s e l e c t e d	C n l y a n s w e r s h o w	S h o w n			A n s w e r M a s k i n g	
	A n s w e r P i p i	2 a n s w e r s e l	s e l e c t e d a n	P i p e d			P i p i n g	78

	n g	e c t e d	s w e r g o f o r w a r d					
--	--------	-----------------------	---	--	--	--	--	--

	C o n d i t i o n T e s t i n g	S e l e c t o p 2 i n S 2	S h o w o n l y W h e n @ s e l e c t e d i n s 2	W o r k i n g			C o n d i t i o n C h e c k i n g	
--	--	---	---	---------------------------------	--	--	---	--

1. **Test Case Name:** Textual testing

**Test Objective:** Should be same as the Client required for Quality.

T C #	T e s t D e s i g n	I n p u t D a t a	E x p e c t e d R e s u l	A c t u a l R e s u l t			C o m m e n t s	80
-------------	--	---	---	--	--	--	--------------------------------------	----

			t					
TC-01	Check the Question text with the Questionnaire	Search the Exact text	Should be Same	Matched			Check the every question	

2.                   **Test Case Name:** Data Report Testing

**Test Case Objective:** All data are captured

T C	T e	I n	E x	A c	I a	I a	C o	81
--------	--------	--------	--------	--------	--------	--------	--------	----



#	st Design	put Data	pected Result	tual Result	ss	ss	mm ents	ss
TC - 01	Check the data download	Check details	No of variable Used	same as defined in Script	Pass		should be same	

## **Conclusion**

Marketing Research is a growing and widely used business activity as the sellers need to know more about their final consumers but are generally widely separated from those consumers. Marketing Research is a necessary link between marketing decision makers and the markets in which they operate.

This type of research is used when there is some comprehension of the problem, objectives are defined and the research questions are clearly formulated. Contrary to exploratory research, the proof descriptive research provides is used for formulating action plans. It helps answer the questions 'when', 'who', 'what', 'how' and 'where', but not 'why'.

Descriptive research typically gives a detailed account of the characteristics or behavior of a population. Hence the research work usually involves some element of consumer profiling and market segmentation.

Marketing Research is essential for strategic market planning and decision making. It helps a firm in identifying what are the market opportunities and constraints, in developing and implementing market strategies, and in evaluating the effectiveness of marketing plans.

## Future Scope:

The Future Scope and Enhancement which might be implemented in this proposed Project can be:-

- The System should be flexible enough so as to easily adapt to any future changes Likely to be added in the software.
- Should be supportive so as to hold large number of records in the database.
- Fuzzy goals lead to fuzzy results, and the last thing you want to end up with is a set of results that provide no real decision-enhancing value. Good surveys have focused objectives that are easily understood.
- Sounds obvious, but we have seen plenty of surveys where a few minutes of planning could have made the difference between receiving quality responses (responses that are useful as inputs to decisions) or un-interpretable data.

Use of Secured Socket Layer (https) protocol to provide enhanced security for website.

Short and focused helps with both quality and quantity of response. It is generally better to focus on a single objective than try to create a master survey that covers multiple objectives.

## **Bibliography**

### **Websites:**

- I. <https://www.surveymonkey.com/blog/2012/04/13/10-online-survey-tips/>
- II. <http://www.managementstudyguide.com/limitations-marketing-research.html>
- III. [http://www.vclcomponents.com/ASP.NET/Software/Free Online Survey Softw  
Are-info.html](http://www.vclcomponents.com/ASP.NET/Software/Free%20Online%20Survey%20Software-info.html)
- IV. [www.ieee.org](http://www.ieee.org)
- V. Google
- VI. [www.wikipedia.com](http://www.wikipedia.com)

## References

1. Seel, N. M. (Ed.). (2011). *Encyclopedia of the Sciences of Learning*. Springer Science & Business Media.
2. Avison, D., & Fitzgerald, G. (2003). *Information systems development: methodologies, techniques and tools*. McGraw-Hill.
3. Cimolini, P., & Cannell, K. (2012). *Agile Oracle Application Express*. Apress.
4. Clarke, P., O'Connor, R. V., & Leavy, B. (2016, May). A complexity theory viewpoint on the software development process and situational context. In *Proceedings of the International Conference on Software and Systems Process*
5. Abramsky, S., Hankin, C., Pitts, A., Skiena, S. S., Durham, D., & Hinchey, U. M. (2010). *Undergraduate Topics in Computer Science*. I. Mackie (Ed.). Springer.
6. Biffl, S., Winkler, D., & Bergsmann, J. (2012). *Software Quality: Process Automation in Software Development; Proceedings of the 4th International Conference, SWQD 2012*. Springer-Verlag Berlin Heidelberg.
7. Tian, J. (2005). *Software quality engineering: testing, quality assurance, and quantifiable improvement*. John Wiley & Sons.
8. Patil, A. S., & Gray, P. J. (2009). *Engineering Education Quality Assurance*. Springer US.
9. National Research Council. (2004). *Open access and the public domain in digital data and information for science: Proceedings of an international symposium*. National Academies Press.
10. Günzler, H. (Ed.). (2012). *Accreditation and quality assurance in analytical chemistry*. Springer Science & Business Media.
11. Stagni, R., Bisi, M. C., Jobbagy, A., & Bliznakov, Z. (2011). Quality Assurance and Accreditation of BME Programs in Europe. In *5th European Conference of the International Federation for Medical and Biological Engineering* (pp. 1408-1410). Springer, Berlin, Heidelberg.
12. González-Benito, J., Martínez-Lorente, A. R., & Dale, B. G. (2003). A study of the purchasing management system with respect to total quality management. *Industrial Marketing Management*, 32(6), 443-454.
13. Haynes, R. B., & Walker, C. J. (1987). Computer-aided quality assurance: a critical appraisal. *Archives of internal medicine*, 147(7), 1297-1301.
14. Manns, T., & Coleman, M. (1996). Software Quality Assurance Plans. In *Software Quality Assurance* (pp. 143-152). Palgrave, London.
15. Cameron, D. (1996). The role of teachers in establishing a quality-assurance system. *Phi Delta Kappan*, 78(3), 225.

