Mini Project Synopsis on

MOBILE COMPARISON

S.E. - I.T Engineering

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CERTIFICATE

This to certify that the Mini Project report on **Mobile Comparison** has been submitted by <u>Riya Sawant (20104078)</u>, Srusti Patil <u>(20104066)</u>, Tanishq Sahane <u>(20104072)</u> and Ritvik Shetty <u>(20104067)</u> who are a Bonafide students of A. P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in **<u>Information Technology</u>**, during the academic year **2021-2022** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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Chapter 1

Introduction

If you are purchasing a new smartphone today, there are many varieties of smartphones available in market. There are very high chances that it will run either Google Android or Apple IOS mobile operating system. This new terrace estimated for more than 99 percent of all new smartphones shipped over the last year, and that rose to 99.7 percent in 2017.

The exceptional news is that both smartphones operating systems are excellent and superb. They have far more in similarities than contrast, but there are some crucial differences that you will like to take note of. We are going to look at Android VS IOS in different categories like RAM, ROM, BATTERY, PRIZE. here and select a winner for each one. Ultimately, this application is best platform for you because these application gives you best mobile phone according to your choice, mobile specification, and most important is according to your budget. Pick the things that matters most to you when it comes to making your selection.

1.1 Purpose:

The purpose of Mobile Comparison Application is useful for getting your best mobile phone in your budget and full-fledged computer software, and fulfilling your requirements, so that there are all types of mobile phones available along with their specification so that you can buy your dream phone easily. The required software and hardware are easily available and easy to work with. Mobile Comparison Application, can lead to error free, secure, reliable, and time saving application. It can assist the user to concentrate on their other activities rather to concentrate which mobile to buy. Thus, it will help aggregate information about product prices and specifications, display their information, and thus allow consumers to choose and buy their device. There are, of course, a variety of other features and technologies involved. The aim is to automate its existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements. Basically, the project describes how to manage for good performance and better services for the customer.

1.2 Objectives:

- The main Objective of this project on Mobile Comparison is selecting the best smartphones that suit your requirement in the shortest amount of time.

- To manage all types of smartphones and information of its features.

- To focus on specifications and services with high demand and a small number of competitors compare the price of mobile phones from a range of phones.

- To provide accurate data listing i.e., information regarding the phone that is up to date, correct, complete and not deceptive.

- To develop a user-friendly portal that can be accessible anytime and anywhere.

1.3 Scope:

It may help buy your dream phone in a very short time, the collection of smartphones will be obvious, simple, and sensible. It will help a person to know the which smartphone is best according to customers requirement and customer budget. It also helps in time saving. It will be 24 *7 available and it is user- friendly application.

Our project aims at Business process automation, i.e., we have tried to computerize various processes of Student Result Processing System.

• This project has a wide scope, as it is not intended to a particular organization. moreover, it provides facility to its customer.

• Search is an important aspect of almost every application, and it's self-evident that consumers trying to compare costs should be able to find not just a certain product, but a specific model as well.
time.

• Electronic commerce is by and large viewed as the business part of e-business. It likewise comprises the trading of information to encourage the financing and *installment* parts of business exchanges.

• To utilize resources in an efficient manner by increasing their productivity through automation.

• The system generates types of information that can be used for various purposes.

• It satisfies the user requirement.

• Be easy to understand by the user and operator.

• Be easy to operate.

• Have a good user interface.

Chapter 2

Problem Definition:

Customers are very confused between which smartphone is best. To find which smartphone have best specification in low budget is nowadays very challenging. Every shopper looks for the best deals & discounts before buying any product. Nowadays before purchasing anything the buyers do some online research of the products on the internet. One of the major factors which lead to purchasing of any product is cost or pricing. The buyers tend to compare prices before purchasing any product. But since it is very difficult to visit each & every website for searching price there needs to be a solution to automate this process. The Mobile Comparison project proposed here gathers information on product prices from various websites & presents it to the users. The users can then choose to buy from the best options available.

Even Ecommerce traders can use this price comparison website to study their competitors and form new strategies accordingly to attract new customers & stay ahead of their competitors. The purpose of mobile comparing application is to help customers narrow down their broad ideas and enable them to finalize the device they want to purchase. For example, a customer is selecting a mobile. His or her search for a mobile should list mobile brands, storage of mobiles, display of mobiles, and all other features as facets.

Chapter 3

3. Proposed System:

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work. The following are the things which we have included in our system:

- Security of data.
- Ensure data accuracies.
- Proper control of the higher officials.
- Minimize manual data entry.
- Minimum time needed for the various processing.
- Greater efficiency.
- Better service.
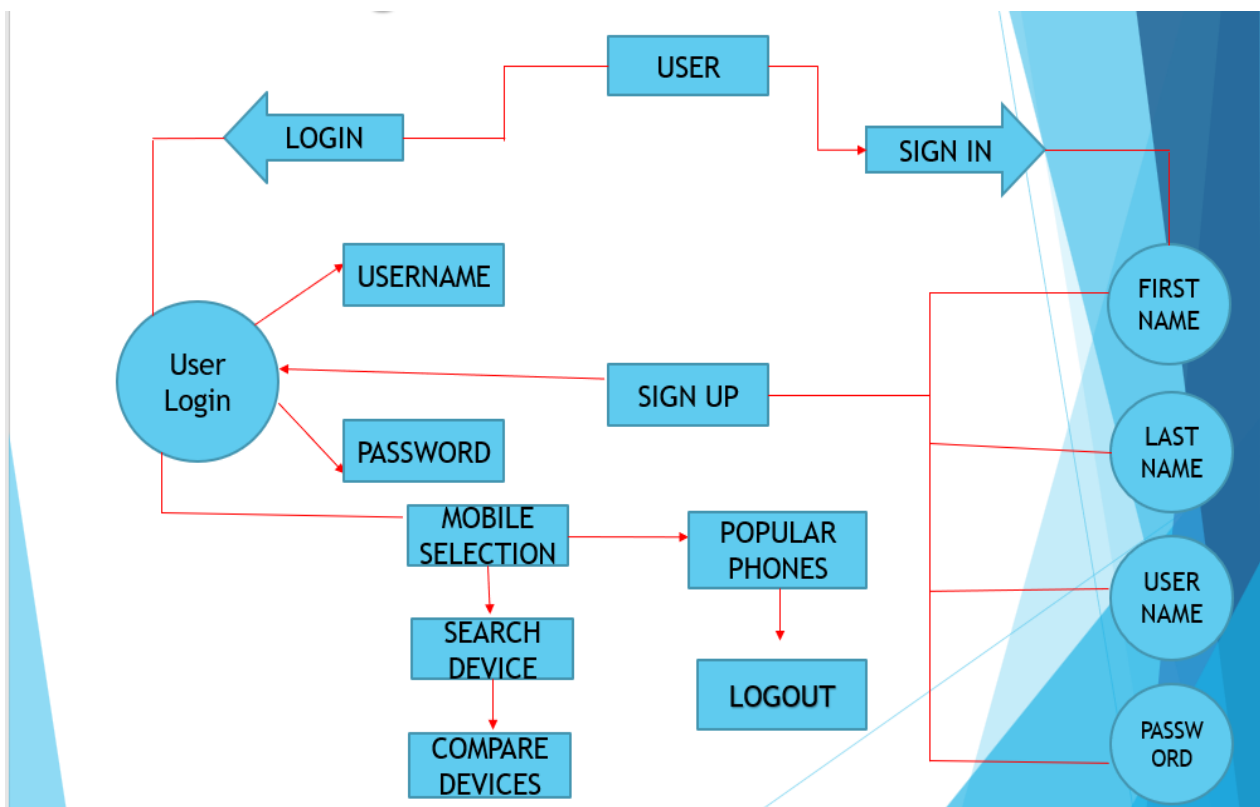- User friendliness and interactive.
- Minimum time required.

Fig 3.1

3.2 Features and Functionality:

Modules:

- Freedom: The proposed system ensures the complete freedom for users, where users at its own system can login and get the best smartphone at its convenience. Our system allows only registered users to fulfil selecting their dream phone without any second thought.
- Specification: Comparing Mobile phones specifications related to display, network, camera, ram, processor, battery and may more…..
- Price: Comparing phones on the basis of price is the important features or factor for users while buying, with the best specifications available in their budget.
- User Satisfaction: User is able to make right choices through this project.

Input Data and Validation of Mobile Comparison

All the fields such as User Credentials, Login Details are validated and does not take invalid values.

- Avoiding errors in data.

- Actual testing done manually.

- Modifications done for the errors founded.

- Validations for user input.

- Checking of the Coding standards to be maintained during testing the module with all the possible test data.

Chapter 4

Project Outcome:

- User can login in his/her account.

- User can sign up by filling the required details and then login.

- User will have two options available for comparison where he can first compare his desirable phones and the second option will be comparison of trending mobiles included with a Filter button.

- In 1st option, there will be two sections in which the user has to

  fill the name of the phone to be compared.

- In 2nd option, there will be trending phones already compared with an extra

  button Filter through which user can select his brand or budget and will get

  best smartphones of that brand or price range.

- This too helps users to make an absolute choice with the budget.

- This too helps user to know the basic features of the phone he is able to afford.

- Users can finally compare the selected product at its price, description, specification and other details, hence making a smart buying option.

Chapter 5

Software Requirements:

- Frontend – Java Swing
- Backend – MySQL (using phpMyAdmin)
- Integrated development environment (IDE) - Eclipse

Chapter 6
Project Design:

In this phase, a logical system is built which fulfils the given requirements. Design   phase of software development deals with transforming the client's requirements into a logically working system. Normally, design is performed in the following in the following two steps:

1. Primary Design Phase:

In this phase, the system is designed at block level. The blocks are created on the basis of analysis done in the problem identification phase. Different blocks are created for different functions emphasis is put on minimizing the information flow between blocks. Thus, all activities which require more interaction are kept in one block.

Secondary Design Phase:

In the secondary phase the detailed design of every block is performed.

The general tasks involved in the design process are the following:

1. Design various blocks for overall system processes.
2. Design smaller, compact and workable modules in each block.
3. Design various database structures.
4. Specify details of programs to achieve desired functionality.
5. Design the form of inputs, and outputs of the system.
6. Perform documentation of the design.
7. System reviews.

Chapter 7

Project Scheduling Template

Sr. No	Group Member	Time duration	Work to be done
1	Tanishq Sahane	1st week of October	Implementing 1st module Homepage (*Designing the mainpage/admin will login with security verification and will enter to the main menu*)
2	Ritvik Shetty	2nd week of October	Testing 1st module Admin login *Designing next page/ This will consist of the page where admin will have to enter their id and password to login and access the main menu where there will be options like:* • Home • Compare • All Phones • Logout
3	Srusti Patil	1st Week of November	Implementing 2nd module Student login (Designing next page/ *functionality: Creating Database for all the Records*)

4	Riya Sawant	By the end of November month	Implementing 3rd module Connection (*Transfer page/ functionality: Connecting database with the pages. Lastly testing the system and its functions by providing inputs and getting desired outputs*)

Chapter 8

Conclusion:

Our project is only a humble venture to satisfy the needs to manage their project work. Several userfriendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the user. The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

<u>At the end it is concluded that we have made effort on following points…</u>

- A description of the background and context of the project and its relation to work already done in the area.
- Made statement of the aims and objectives of the project.
- The description of Purpose, Scope, and applicability.
- We define the problem on which we are working in the project.
- We describe the requirement Specifications of the system and the actions that can be done on these things.
- We understand the problem domain and produce a model of the system, which describes operations that can be performed on the system.
- We included features and operations in detail, including screen layouts.
- We designed user interface and security issues related to system.
- Finally, the system is implemented and tested according to test cases.

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