# System Study

System analysis is a process of gathering and interpreting facts, diagnosing problems and the information to recommend improvements on the system. It is a problem-solving activity that requires intensive communication between the system users and system developers. System analysis or study is an important phase of any system development process. System analysis is concerned with becoming aware of the problem, identifying the relevant and decisional variables, analysing and synthesizing the various factors and determining an optimal or at least a satisfactory solution or program of action. A detailed study of the process must be made by various techniques like interviews, questionnaires etc. Preliminary study is the process of gathering and interpreting facts, using the information for further studies on the system. It does various feasibility studies. In these studies, a rough figure of the system activities can be obtained, from which the decision about the strategies to be followed for effective system study and analysis can be taken.

## Existing System

Convenience is a benefit of online shopping that attracts to many consumers. Although the fact that many people would find it easier to visit a nearby store than to order something online and have it delivered, there are a few benefits to online shopping that are just more realistic. online shopping is possible from anywhere at any time. That's the main thing. Next, you get a wide range of products to choose from. The existing system provides a platform for users to purchase footwear according to their size, color, and price. But there is some drawback about the existing system. The existing system does not provide any rent facility for the users, but the proposed system solves this drawback on the existing system.

## Proposed System

The Internet changed the way we shop. A properly designed and informative website with well written content enables customers to make informed purchasing choices. Online shoe shopping will help people by providing a way to purchasing shoes just by resting at home. For some consumers, shopping and purchasing online have become part of their daily lives. The project offers a platform for users to purchase footwear according to their size, color, and price. The project also provides the rent facility especially for party shoes, customer can take the product for rent especially for party shoes, for a period of time. The website is very useful where the customer can directly buy the products from home.

# Feasibility Study

Feasibility study is made to see if the project on completion will serve the purpose of the organization for the amount of work, effort and the time that spend on it. Feasibility study lets the developer foresee the future of the project and the usefulness. A feasibility study of a system proposal is according to its workability, which is the impact on the organization, ability to meet their user needs and effective use of resources. Thus, when a new application is proposed it normally goes through a feasibility study before it is approved for development.

The document provides the feasibility of the project that is being designed and lists various areas that were considered very carefully during the feasibility study of this project such as Technical, Economic and Operational feasibilities. The objective of the feasibility study is to establish the reasons for developing the software that is acceptable to users, adaptable to change and conformable to established standards.

Various Feasibility studies are:
- Technical Feasibility
- Operational Feasibility
- Economic Feasibility

## Technical Feasibility

Technical feasibility assesses the current resources (such as hardware and software) and technology, which are required to accomplish user requirements in the software within the allocated time and budget. The system must be evaluated from the technical point of view first.

The system has been developed using HTML, CSS and JavaScript in frontend for highly responsive website and PHP in back end.

MySQL is used as the database; the project is technically feasible for development. The System used was also of good performance of Processor Intel i3 core.

## Operational Feasibility

Operational feasibility assesses the extent to which the required software performs a series of steps to solve business problems and user requirements. This feasibility is dependent on human resources and involves visualizing whether the software will operate after it is developed and be operative once it is installed.

This system is operationally feasible because:
- It is designed specifically for shoes.
- Provides consistent and integrated data management.
- Provides end users and all other users with the accurate, formatted and useful information.
- It is flexible, expandable and is available 24*7.

- It is built n such a way, end users and management can adapt to change easily.

## Economic Feasibility

Economic feasibility determines whether the required software is capable of generating financial gains for an organization. The developing system must be justified by cost and benefit.

The proposed system is economically feasible. It provides the following benefits:

- Reduces the processing time as compared to buying products offline.
- Reduces the workload and there are various payment methods rather than payment by cash.
- More variety of products are available.
- Administration will be effective.
- For customers, this site will be very user friendly, customer oriented and easy to use.

The cost of project was divided according to the system used, its development cost and cost for hosting the project. According to all the calculations the project was developed in a low cost. As it is completely developed using open source software.