FEASIBILITY STUDY
HAY COUTURE - APPARELS STORE

1. INTRODUCTION

Feasibility is defined as the practical extent to which a project can be performed successfully. To evaluate feasibility, a feasibility study is performed, which determines whether the solution considered to accomplish the requirements is practical and workable in the software. Information such as resource availability, cost estimation for software development, benefits of the software to the organization after it is developed and cost to be incurred on its maintenance are considered during the feasibility study. The results of the feasibility study should be a report that recommends whether or not it is worth carrying on with the requirements engineering and system development process.

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 other objectives of feasibility study are listed below.

- To analyze whether the software will meet organizational requirements
- To determine whether the software can be implemented using the current technology and within the specified budget and schedule
- To determine whether the software can be integrated with other existing software.

2. TYPES OF FEASIBLITY

Various types of feasibility that are commonly considered include technical feasibility, operational feasibility, and economic 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.

- For frontend HTML, CSS and JS is used to build and customize the proposed system, utilize prebuilt grid system and components, and bring projects to life with powerful JavaScript plugins, as it is completely open-source soft wares.
- For backend, PHP is used which is a basic general-purpose scripting language.
- PhpMyAdmin tool is used to handle administration of MySQL over Web.

- **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 (software development team) and involves visualizing whether the software will operate after it is developed and be operative once it is installed.

  - The proposed extension provides user-friendly interface, which makes it flexible and expandable for the user to explore the products and buy them according to their choice across the internet and no training is needed for the users to interact with the system.
  - Responsive web designing is used for making the website compatible for any type of screen.
  - Overall, we have estimated that the benefits the organization is going to receive from the proposed system will surely overcome the initial costs and the later on running cost for system.

- **Economic feasibility** determines whether the required software is capable of generating financial gains for an organization. It involves the cost incurred on the software development team, estimated cost of hardware and software, cost of performing feasibility study, and so on.

  - Helps to reduce travel expenses as we can purchase products from different locations.

- It is a free service-oriented website and development cost is low as it is completely developed using open-source software.
- The proposed system is developed having all the resources readily available, it gives an indication of the system is economically possible for development.
- For the users to access the application, the only cost involved will be in getting access to the Internet.