

Feasibility study

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.

Economic feasibility

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.

A thorough analysis of the project's total costs, including operational expenses, marketing budgets, employee salaries, and other associated expenses will be carried out in order to ascertain the economic viability of the art gallery. This assessment will take into account potential revenue from artwork sales and commissions. These costs can be reviewed to ensure that the project being produced is financially feasible.

1. The cost conduct a full system investigation?

The proposed system id developed as a part of project work, so there is no manual cost spend for the proposed system

2. The cost of hardware and software?

All resources are already available.

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. A technical feasibility study helps organisations determine whether they have the technical resources to convert the idea into a fully functional and profitable working system. It helps in troubleshooting the project before commencing work. The study identifies potential challenges and uncovers ways to

overcome them. It also helps in long-term planning, as it can serve as a flowchart for how products and services evolve before they reach the market.

The art vendor is straightforward as it works even for new users. The simplicity of the technology allows users to save time as user can select needed art directly from online. Due to secure payment gateways, responsive design, and efficient administration of the inventory and users, it is technically possible.

1. Is the project feasible within the limits of current technology?

Yes

2. Technical issue raised during investigation are?

Nothing

3. Can the technology easily applied to the current problem?

Yes

4. Does the technology has the capacity to handle the solution?

Yes

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 (software development team) and involves visualizing whether the software will operate after it is developed and be operative once it is installed. Operational feasibility also performs the following tasks.

The availability of skilled artists, knowledgeable administrative staff ensures that an art gallery may function effectively. Artist can get into their site with valid username and password and able to upload their artwork without any technical skill. user can visit site with valid authentication, view different arts, buy and provide secure payment.

1. Is there sufficient support from the users?

Yes

2. Will the proposed system cause harm?

No