

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.

Various types of feasibility that are commonly considered include technical feasibility, operational feasibility, and 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 Freelance Hub will use established technologies to ensure technical feasibility. The backend will be developed with Django, handling job postings, proposal management, and user authentication. HTML, CSS, and JavaScript will be used for the frontend to create intuitive interfaces. Initially, SQLite will be the database, with scalability to PostgreSQL as needed. These technologies are chosen for their stability, widespread use, and the team's proficiency, ensuring effective development and maintenance within the project's resources and timeline.

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.

Operational feasibility for the Freelance Hub focuses on enhancing efficiency and user experience in freelance job management. The platform will streamline job posting, proposal submission, and communication through integrated chat functionalities. By addressing inefficiencies like fragmented communication and cumbersome administrative tasks, it aims to improve user satisfaction and operational efficiency. Stakeholders support these improvements, recognizing the platform's potential to optimize workflow and foster better collaboration between clients and freelancers.

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.

The Freelance Hub project is economically feasible as development costs are reasonable, leveraging open-source technologies and existing team skills. The platform promises long-term financial gains by improving job matching, communication, and secure payments. With minimal additional hardware costs and potential revenue from premium features, the investment is justified by expected benefits and user growth.

In conclusion, the project 'Freelance Hub', which is an online freelance job management system is technically, operationally and economically feasible.