

# Feasibility Study

- How would the organisation cope if this system was not implemented?

If the system is not implemented, all the payment should be done offline by the renters and the renters cannot pay in time. It is a time consuming process and management of the whole apartment cannot be done in a smooth manner.

- What are the problems with credit processes and how would a new system help alleviate these problems?

Normally there are differences between credit card transactions and traditional transactions. Credit card transaction is a great concern. It may lose money due to its online process. Now the payment is done by the payment gateway so the customer bank account details are linked with the customer's mobile number.

- What direct contributions will the system make to the business objectives and requirements?

Now the system is making more simpler. Customer can search flats when registered to the website. They can rent flats, take services, pay bill online on a monthly basis.

- Does the system require technology that has not previously been used in the organization?

The system is using security services like encryption and recaptcha, online payment, message to the email, chat.

- What must be supported by the system and what need not to be supported?

The system supports online payments and services. It does not support credit process.

## **Technical Feasibility**

- Does the organization have the technical capabilities and resources to undertake the project?

Yes, the system acquires the technical capabilities and resources to do the project. The system is developed as a web application.

- Analyses the technical skills and capabilities of the software development team members

We have three members in our software development team. A UX/UI designer to work on the design and experience on the application. Core php developers with similar applications. We have adequate experience and skills in the team. Having that our team is capable of developing the software within a month.

- Determine whether the relevant technology is stable and establishes

We use php 7.2 as the frontend of the software. PHP is a well-established server-side scripting technology and DBMS we use MySQL as the front end will be powered by bootstrap making the website mobile friendly.

## **Operational Feasibility**

- Determine whether the problem anticipated are of high priority

It's important. The manual process of paying the rents and various bills can be a chance for mistakes. Building a system and leaving that process to automation will make the system more efficient. Yes, the system will be of high priority.

- Determine whether the solution suggested by the software development is acceptable

Yes. Our solution is going to be implemented as a web application. It is convenient for users to access the application. It is portable. If hosted on a public server, it can be accessed anywhere.

- Analyses whether users will adapt to a new software

The user will adapt to the new software. The reason is that it saves time and makes it more convenient to manage the whole apartment and renters get the maximum services.

- Determines whether the organization is satisfied by the alternative solutions proposed by the software development teams

The organization is satisfied by the solutions. But there is a chance that they would come up with new requirements. The team has to be ready to accept that make necessary changes.

### **Economic Feasibility**

- Cost incurred on software development to produce long-term gains for an organization

The investment in the project is minimum. No overheads will be added to the organization. So, the project will lead to long term gains for the organization.

- Cost required to conduct software investigation (such as requirements elicitation and requirement analysis)

The cost required to conduct software investigation is manageable. The team has to meet up with users to find their requirement and problems. Then to identify the technology required to meet it.

- Cost of hardware software development teams and training

The investment should be done to develop the software. But additional training is not required for the users of the system. Since people with minimum knowledge in the computer will be able to handle the system. The system would be simple and user friendly.