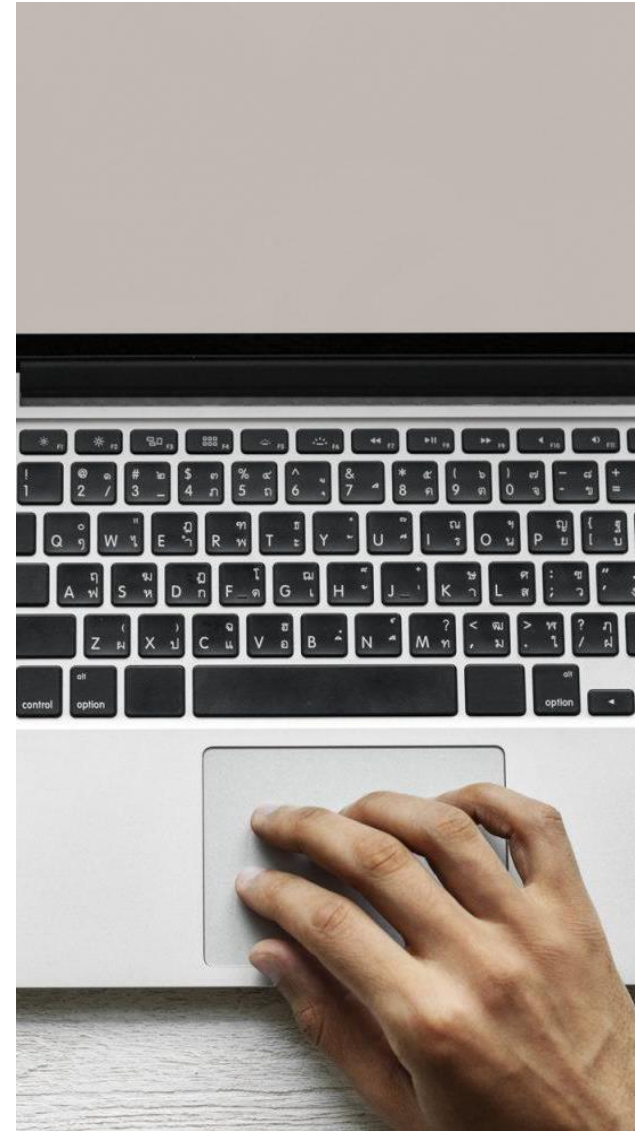# Team Pixels

Project: Creating a Billing System

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Objectives

- The purpose of this project is to create a billing system that could automate the process of collecting payments, bills, send out invoices, track every payment made by its users and validate its processes. It is going to enable people to make payments.

- It would help in generating invoices, calculating payments, tracking users' spending, collecting data analysis on how to manage payments. A billing system must be able to make due or take required actions for every managed service being utilized by the user. The services may include purchases of goods, sales of products, expenses and spending; it must be able to handle the payroll, etc.

Scope

- Some companies still make use of human power/manual method of calculating transactions, making and managing payments in advance or on first usage, generating invoices, calculating collective data, etc. but this system is a software that helps in handling projects and the budgeted amount and how to reach the goal and other similar cases. Your daily expenses could be calculated and collated while using an automated billing system. You can create reminders for yourself about payment plans and set reporting tools. This software is similar to a virtual assisting accountant.

Problem Statement

- According to research, it was discovered that:

- Most people get into overdue payments of services due to their busy schedule with no reminder

- Companies, with high numbers of clients, long time ago usually had a lot of employees so as to calculate expenses, handle the finance team to predict data for the company and send out bills to clients so as to be efficient.

- Collating data and reports usually gets tiresome due to large number of data to be collated.

- A lot of people have to queue at service providers so as to pay their bills.

- Lastly, we all have the issue of doing such accounting activities manually and would prefer it was automated using a technology

- So therefore, this billing system software would totally be of help to a lot of people including individuals in the working class and companies.

Limitations

- The limitations of such systems are usually complicating. Most times, errors may not occur when the developers are specialists in their field. Also, because it's simple to use, it may develop errors quickly. The limitations include:

- Our competitors may have more enticing properties on their billing system software which may reduce our customer network or clients.

- Authentication may not be strong enough due to the level of expertise of our developers.

- When using a bad connection to operate on the account, transactions could be delayed or not completed even after been added to the expense list.

- It can't be made use of online, being similar to a web application.

- The system is not interactive as a Graphical User Interface enough, though abstract but understandable and straightforward and easy.

Justification

- The solutions we've been able to generate due to the problems/limitations we faced and noticed are not biased on the real problems. We noticed we are out of funding and we may need some funding, the proper and quality appliances and the right experience to support our developing team. With this, we could solve the problem of bad connection by planting our servers around or customer base and other places. Also, it could support the security of our clients' accounts and private information from hackers and the public. Our competitors would be able to rely on us more, giving us more clients and more network or referrals.

Thank you!