

ព្រះរាជាណាចក្រកម្ពុជា
ជាតិ សាសនា ព្រះមហាក្សត្រ

វិទ្យាស្ថានបច្ចេកវិទ្យាកម្ពុជា

Institute Technology of Cambodia



Department: Applied Mathematics and Statistics

Subject: OOP

Project Proposal

Topic: Cam Refinance

Lecturers: TAL Tongsreng (Course)

CHAN Sophal (TP)

Academic year: 2022-2023

Group 6

Members:

- | | |
|----------------------|---------------|
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I. Introduction

Having your own house is what people dream of. Most of them are working hard in order to buy a house with affordable price. Some are getting a house by installment payment. Nowadays, most people are struggling with banks or companies they choose to work with. The reason is that some people are paying high excessive price at the end of the payment. By seeing this issue, our group are formed to help all of you that need to know more about buying house by using mortgage loan.

II. Objective

By the name of TDCR2 Financial Group, we are excited to inform all of you who are planning to buy a house to know that our group are creating a website in order to:

- Help to take lower monthly mortgage payment by secure a new mortgage with low interest rate.
- Track on your monthly payment
- Give you a recommendation on the next defined banks
- Get a house faster with less money spent as much as possible.

III. Identify tasks

We have prepared the tasks for each member in our group to in order to build this website. These are the tasks that we have been given:

Name	Tasks
KOH Tito	<ul style="list-style-type: none"> • Data scraping (house sale online) • Creating UI design for the website • Creating website (frond-end, back-end and Database)
LAY Chhay	<ul style="list-style-type: none"> • Gathering data (Banks) • Creating website(front-end)
DORN Dawin	<ul style="list-style-type: none"> • Gathering data (Banks) • Creating website(frond-end)
LAB Thavrith	<ul style="list-style-type: none"> • Data scraping (house sale online) • Creating website(front-end)
HUN Sokrarith	<ul style="list-style-type: none"> • Gathering data (Banks) • Creating website(front-end)

IV. Scope of the project

In this section, we are planning some actions and also the tools in order to achieve our goal.

For the tools that we are going to use:

- For data scraping: python, BeautifulSoup...etc.

- For bank's information: We are going to discuss with professional staff and some information from the feedback on social media.
- For designing website: Figma.
- For the website: HTML, CSS, JavaScript for front-end, node.js for back-end and SQL for database.
- For storing code and some information: github.
- For IDE: Jupyter Notebook, vscode....etc.

For the step by step:

- We are going to discuss on how our company work in order to help user.
- Gathering all data from house sale online, bank's information and some others term.
- Designing website on Figma.
- Creating website.

V. Group schedule

We are planning to finish this project in mid January, on 14th week of the semester. We start our meeting twice for every week to check the progress and discuss more on how to develop this website. We have started this project from mid November, on 5th week of the semester.