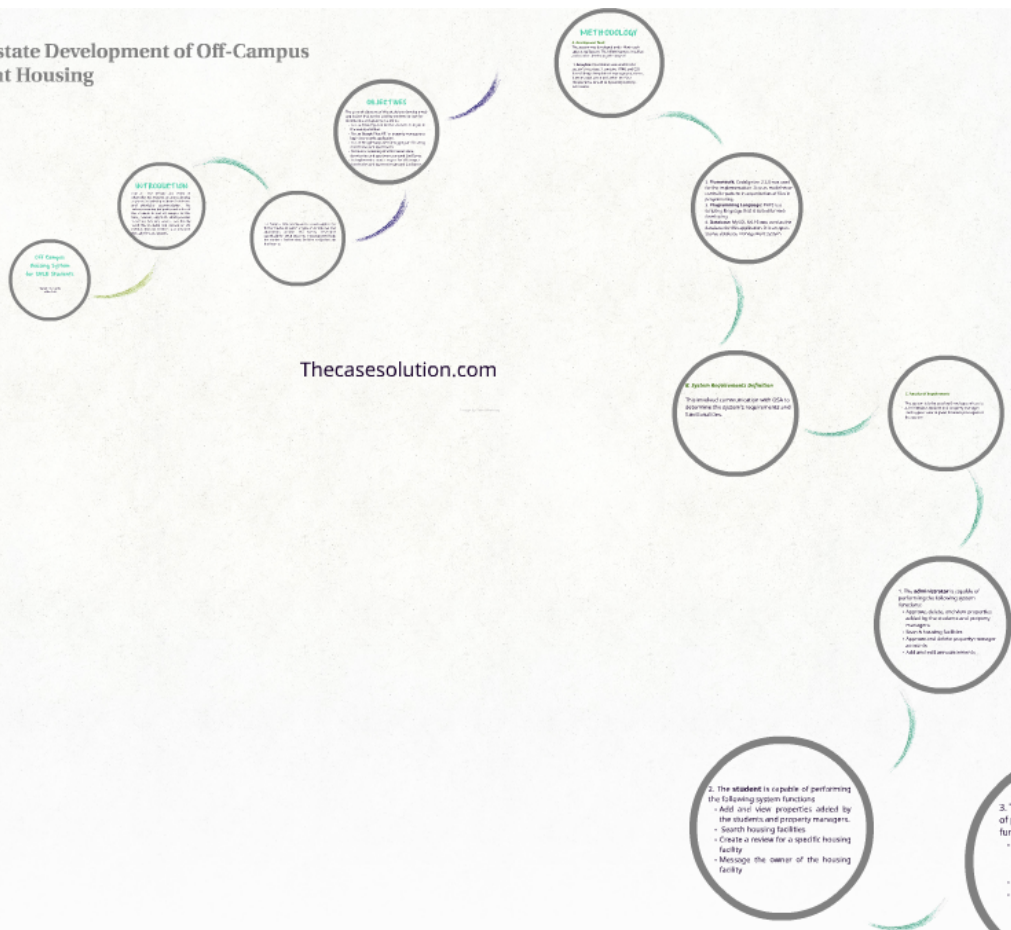


# Real Estate Development of Off-Campus Student Housing



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**1. Framework** (Detailed description of the framework used in the project, including the methodology and the tools used.)

**2. System Requirements Definition** (Detailed description of the system requirements, including the functional and non-functional requirements.)

**3. System Requirements** (Detailed description of the system requirements, including the functional and non-functional requirements.)

**4. The administrator is capable of performing the following system functions:**

- Approve, decline, or view properties added by the students and property managers.
- Search housing facilities.
- Manage and delete property manager accounts.
- Add and view annual reports.

**2. The student is capable of performing the following system functions:**

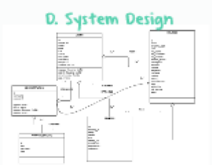
- Add and view properties added by the students and property managers.
- Search housing facilities.
- Create a review for a specific housing facility.
- Message the owner of the housing facility.

**3. The property manager is capable of performing the following system functions:**

- Add and view properties added by the students and property managers.
- Search housing facilities.
- Reply to the inquiries of the students.

**D. Evaluation of the created Off Campus Housing Website for its perceived effectiveness and performance**

- A total of 60 students participated in the evaluation of the Off Campus Housing Website.
- The participants rated the effectiveness and performance of the Off Campus Housing Website.
- When the participants finished exploring the website, they were asked to answer a survey regarding their experience.
- Questions for User Interaction Satisfaction (UIS), See Appendix B, were used as a part of the questions in the evaluation.
- After all of the participants have submitted and answered the survey, the mean score for every question and category was computed.



**RESULTS AND DEMO**



# Real Estate Development of Off-Campus Student Housing



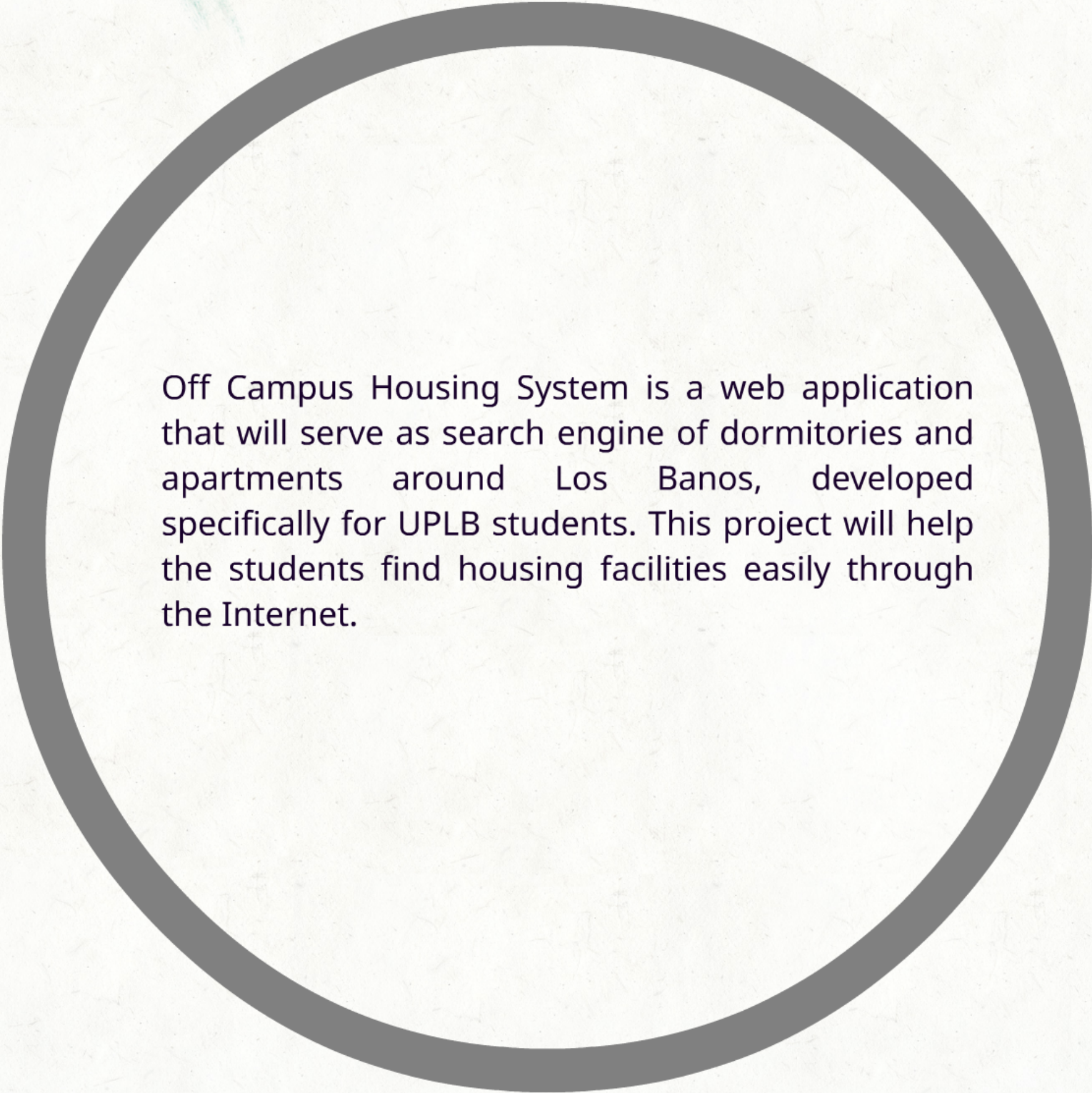
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# Off Campus Housing System for UPLB Students

Marian M. Alvarez  
CMSC 190

# INTRODUCTION

One of the Mission and Vision of Chancellor Rex Victor O. Cruz is to develop a system for assisting students find decent and affordable accommodation. This includes ensuring the quality and safety of the students in and off campus. At this time, however, only UHO, which provides in-campus housing service, can directly reach the students and owners of off-campus housing facilities just advertise through fliers and posters.



Off Campus Housing System is a web application that will serve as search engine of dormitories and apartments around Los Banos, developed specifically for UPLB students. This project will help the students find housing facilities easily through the Internet.

# OBJECTIVES

The general objective of this study is to develop a web application that can be used by students to look for dormitories and apartments online.

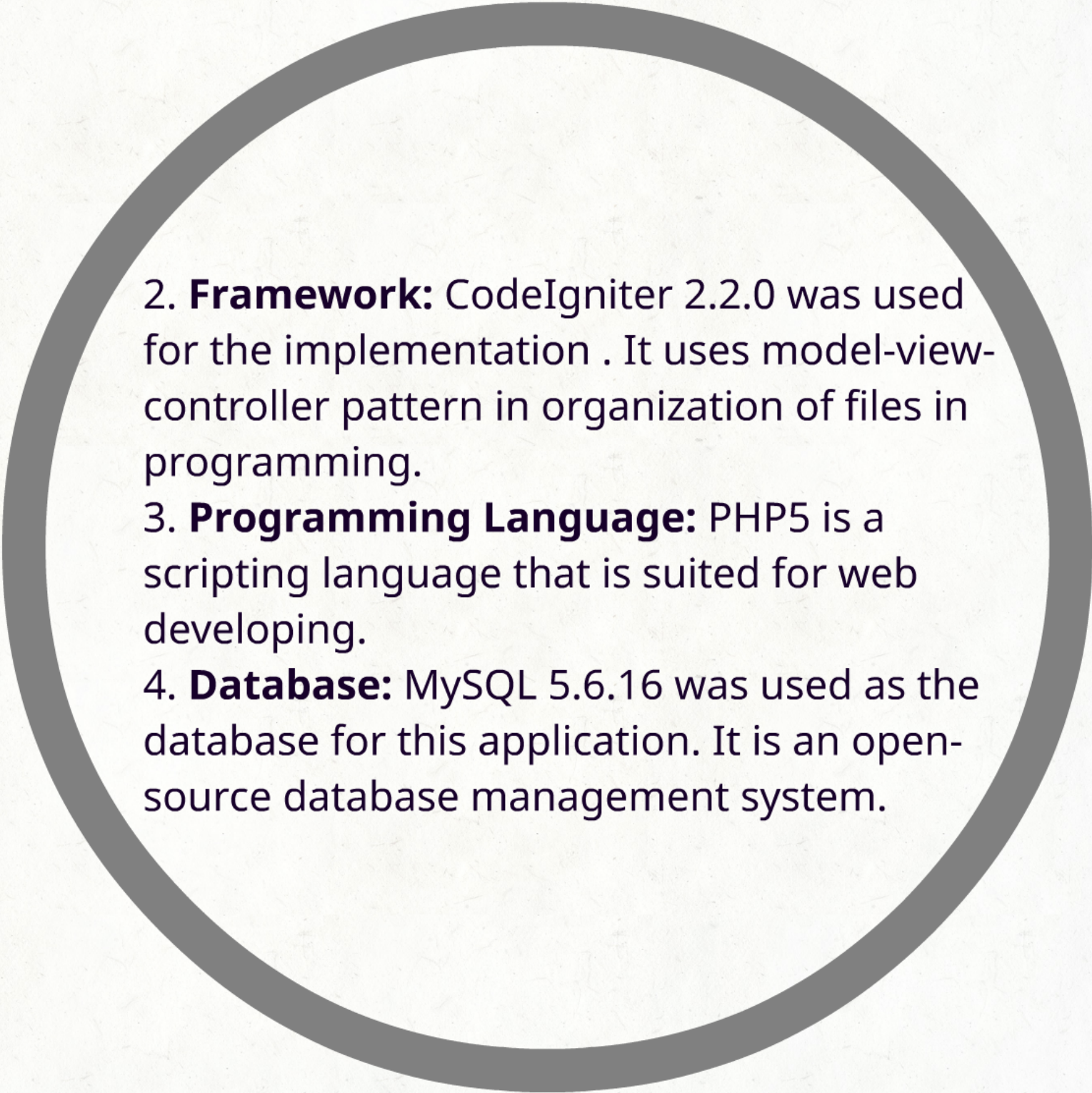
- To use OSAM System API for students to log in to the web application.
- To use Google Plus API for property managers to log in to the web application.
- To use Google Maps API for tagging and locating dormitories and apartments.
- To have a repository of information about dormitories and apartments around Los Banos.
- To implement a search engine for off-campus dormitories and apartments around Los Banos.

# METHODOLOGY

## **A. Development Tools**

The system was developed under Macintosh Operating System. The following were installed and used in developing the project:

1. **Interface:** Foundation was used for the system's interface. It contains HTML and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions.



2. **Framework:** CodeIgniter 2.2.0 was used for the implementation . It uses model-view-controller pattern in organization of files in programming.

3. **Programming Language:** PHP5 is a scripting language that is suited for web developing.

4. **Database:** MySQL 5.6.16 was used as the database for this application. It is an open-source database management system.