


<b>LEARNING MODULE</b>	 <p>PAMANTASAN NG LUNGSOD NG MUNTINLUPA COLLEGE OF INFORMATION TECHNOLOGY AND COMPUTER STUDIES</p> <p>University Road, Poblacion, Muntinlupa City</p>					
<i><u>QD/CITCS/0__</u></i>	<b>Course Title: Systems Analysis and Design</b>					
<i>Issue No.</i>	0	<i>Revision No.</i>	0	<i>Effectivity Date</i>	07 September 2020	<i>Page No.</i> <span style="float: right;"><i>1 of 1</i></span>

## TOPIC PROPOSAL FORMAT

**Project Team Leader:** 1. Faderanga Janrey Cyril

Team Member(s): 2. Pangilinan Kyrah

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### **Project Proposal 1:**

An Online web-based Reservation and Monitoring Boarding House Management System

### **Areas of Investigation:**

Area of Investigation: The proposed topic is the development of a Boarding House Management System, focusing on streamlining the management processes of boarding houses or dormitories.

### **Purpose and Description of the Proposed Topic:**

The purpose of this system is to automate and simplify various tasks involved in managing a boarding house, including tenant management, room allocation, billing and payments, maintenance tracking, and communication between tenants and management. By implementing such a system, the efficiency and effectiveness of managing a boarding house can be significantly improved, leading to better service for tenants and smoother operations for management.

### **Main Problem:**

The main problem addressed by this topic is the manual and inefficient methods currently used in managing boarding houses. Traditional paper-based systems or rudimentary software solutions often lead to errors, delays, and difficulties in keeping track of various aspects of the business.

### **Causes of the Problem:**

- A. Lack of centralized and automated systems for managing boarding houses.
- B. Reliance on manual processes which are prone to errors and inefficiencies.

C. Limited communication channels between tenants and management, leading to misunderstandings and delays in addressing issues.

**Effects of the Problem:**

A. Inaccurate billing and payment records leading to financial discrepancies.

B. Difficulty in managing room allocations and vacancies efficiently.

C. Increased workload for management due to manual tracking of maintenance requests and tenant inquiries.

**Target Users/ Beneficiaries:**

Boarding house owners or managers and Tenants/residents of the boarding house

**Related Studies/ Projects:**

[1] Ambrose, P. and Barlow, J. (1987), *Housing Provision and House Building in Western Europe: Increasing Expenditure, Declining Output, Housing Markets and Policies under Fiscal Austerity*, London, Greenwood Press.

[2] Cooper, M. (1998), Ideas to develop a literature review, vol. 3, page, 39.

[3] Erguden, S. (2001), Low cost housing policies and constraints in developing countries, International conference on spatial development for sustainable development, Nairobi.

[4] Golland, A. (1996), Housing supply, profit and housing production: The case of the United Kingdom, Netherlands and Germany, *Journal of Housing and the Built Environment*, vol.11, no1.

[5] Hancock, T. (1998), Caveat partner: Reflection of Partnership with the private sector, *Health promotion international*, vol. 13, no 3

[6] Levin, K. (1999), *Database Management Systems: How to use Relational Databases*, vol. 2, no 4.

[7] Macoloo, G. (1994), The changing nature of financing low income urban housing development in Kenya, *Housing Studies*, vol. 9, Issue 2, pages 189- 281.

[8] Mitullah, W. (2003), *Urban Slums Report: The case of Nairobi Kenya*, Understanding Slums: Case Studies for the Global Report on Human Settlements.

[9] Seedhouse, D. (1986), *Foundation for Health Achievement*, Health Policy, vol. 7, issue, 3.

[10] United Nations, (1948), *The Bill of Human Rights*.

[11] <http://www.ehow.com> Stefusus Kristianto

[12] N. Luh et al., “MANAJEMEN INFORMASI RUMAH KOST ‘ Restra ,” *J. Algoritm.*, vol. 17, no. 2, pp. 29–41, 2021.

[13] K. Fitriani and A. Purwanto, “Sistem Informasi Rumah Kost Di Baamang Berbasis Web,” *J. Penelit. Dosen Fikom*, vol. 10, no. 1, 2019.

[14] S. Informasi et al., “No Title,” vol. 2, no. 1, pp. 9–14, 2019.

[15] D. S. Purnia, R. Ratningsih, M. Surahman, and W. Agustin, “Implementasi Metode Prototyping Pada RancangMarketplace Rumah Kost Berbasis Mobile,” *EVOLUSI J. Sains dan Manaj.*, vol. 9, no. 1, pp. 1–11, 2021, doi: 10.31294/evolusi.v9i1.10145.

[16] Zeck Gian T.F, “Rancang Bangun Sistem Informasi Kos-Kosan Menggunakan Framework Rapid Application Development,” vol. 3, 2019, pp. 226–233.

[17] N. Destiana Yusma, Nita Merlina, “Sistem Informasi Pencarian Rumah Kost Berbasis WEB,” *J. Inti Nusa Mandiri*, vol. 15, no. 2, pp. 9–16, 2021.

[18] N. Sipa Apiyatul laily and Rapina, “Rancang Bangun Rumah Kost Berbasis Web Untuk Memudahkan Pencarian Kost Di Kota Batam,” vol. 11, no. 1, 2021.

[19] A. Rahmatillah, T. Saputra, and W. B. Hartiningsih, “Sistem Informasi Rumah Kost Berbasis Web Studi Kasus pada Paviliun Sejahtera,” *Explor. Sist. Inf. dan Telemat.*, vol. 11, no. 2, p. 102, 2020, doi: 10.36448/jsit.v11i2.1495.

- [20] M. Susilo, "Rancang Bangun Website Toko Online Menggunakan Metode Waterfall," *InfoTekJar (Jurnal Nas. Inform. dan Teknol. Jaringan)*, vol. 2, no. 2, pp. 98–105, 2018, doi: 10.30743/infotekjar.v2i2.171.
- [21] A. A. Wahid, "Analisis Metode Waterfall Untuk Pengembangan Sistem Informasi," *J. Ilmu-ilmu Inform. dan Manaj. STMIK*, no. November, pp. 1–5, 2020.
- [22] Brilliantes, R. A., Aga, N. B., Adegue, C. A., Perez, M. P., Aya-ay, A. M. & Sagarino, E. V.. (2012). The Living Conditions of University Students in Boarding Houses and Dormitories in Davao City, Philippines. *IAMURE International Journal of Social Sciences*, 1(1). Retrieved from <http://ejournals.ph/form/cite.php?id=565>
- [23] Martin, et al. (2014). Boarding School, Academic Motivation and Engagement, and Psychological Well-Being: A Large-Scale Investigation. *American Educational Research Journal* October 2014, Vol. 51, No. 5, pp. 1007–1049 DOI: 10.3102/0002831214532164 2014 AERA. <http://aerj.aera.net>
- Muhammad Hilmy Muslim, Hafazah Abdul Karim, and Ishak Che Abdullah (2012). Satisfaction of Students' Living Environment between OnCampus and Off-Campus Settings: A Conceptual Overview. *Procedia - Social and Behavioral Sciences*, 68, 601 – 614.
- [24] Navarez, Joel C. 2017, Student Residential Satisfaction in an On-Campus Housing Facility. Presented at the DLSU Research Congress 2017 De La Salle University, Manila, Philippines June 20 to 22, 2017.
- [25] Reyes, Paulino P. 2016. Profile of boarding houses of students of the kalingaapayao state college. *International Journal of Advanced Research in Management and Social Sciences*. <http://www.garph.co.uk/>

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