

**Technological Institute of the Philippines
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College of Computer Studies

CS 304 - CS33S2 - Software Engineering 2

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Title: Your Health, Always in Good Hands: Patient Information Management System for Antipolo Centro de Medikal Hospital, Inc.	
Laboratory Exercise 1.1 Project/Software Checklist	

Module 1 - Security

It handles the user login by requiring the user to enter their user ID and password and their level of access. The SHA-256 algorithm is used to encrypt user's and patients data for enhanced security.

Submodule 1 - Level of Access

It defines the actions a specific user can perform in the system. The level of access includes Admin, Receptionist, Doctor, Nurse, and Cashier.

Submodule 2 - User Login

It requires a user ID and password that tallies with the one contained in the database to successfully login to the system.

Submodule 3 - Forgot Password

It allows the user to change the password through answering security questions

Module 2 - Registration

It collects information about a patient or employee upon registering a new record or account.

Submodule 1 - Hospital Personnel

It requires Employee ID, Employee Name, Department, Security Questions and Answers to successfully register a hospital personnel in the system.

Submodule 2 - Patient

It requires Patient ID, Personal Information, and Medical History to successfully register a patient in the system.

Module 3 - Dashboard

It displays necessary hospital information such as total admitted patients, total available hospital personnel, and total newly admitted patients.

Submodule 1 - Total Admitted Patients

It displays the current total admitted patients in the hospital.

Submodule 2 - Total Available Hospital Personnel

It displays the current total available hospital personnel on duty.

Submodule 3 - Newly Admitted Patients

It displays the total newly admitted patients for the day.

Module 4 - Patient Management

It handles viewing and updating patient records.

Submodule 1 - View Patient Records

It allows the user to view information related to the selected patient.

Submodule 2 - Update Patient Records

It allows the user to update an information about a patient

Module 5 - Search

It allows users to search for a specific patient or employee by using their unique ID or surname.

Submodule 1 - Patient Search

It allows users to search for a particular patient according to patient ID and name.

Submodule 2 - Hospital Personnel Search

It allows users to search for a particular hospital personnel according to employee ID, name, and department.

Module 6 - Billing and Payment

It handles generating bills for a patient, collecting payment, and providing receipts.

Submodule 1 - Generate Bill

It generates a comprehensive bill comprising the total cost of services availed by the patient in the hospital.

Submodule 2 - Payment

It processes payment made in cash only.

Submodule 3 - Receipt

It confirms payment and proceeds to generate the corresponding receipt.

Module 7 - Maintenance

It provides access for adding new patients or employees, updating and archiving existing patients and employees, and backing up data.

Submodule 1 - Add

It allows users to add new patients and hospital personnel to the system.

Submodule 2 - Edit

It allows users to edit existing patients and hospital personnel information to ensure that data is up-to-date.

Submodule 3 - Archive

It allows users to store inactive patients and hospital personnel in an archive for future reference.

Submodule 4 - Back-up

It allows users to backup data to protect and preserve system data.

Module 8 - Report

It provides reports about crucial information within the hospital and the system such as patient admission, patient medical history, and user logs.

Submodule 1 - Patient Admission Report

It generates reports regarding patient admission based on the specified date range.

Submodule 2 - Patient Medical History Report

It generates medical history reports for a particular patient to serve as reference for hospital personnels.

Submodule 3 - User Log Report

It generates a report about user logs for security purposes based on the specified date range.

Module 9 - Help

It displays a help page to guide the user on how to use the system.

Submodule 1 - User Manual

It provides a comprehensive user guide for hospital personnel to guide them on how to navigate and use the patient information management system.

Module 10 - About

It displays the information about the system and its developer.

Submodule 1 - System Version

It displays the current system version of the patient information management system.

Submodule 2 - Developer

It displays information regarding the development team behind the creation of the patient information management system.