

*Department of Software Engineering*

***Bahria University Karachi Campus***

## Course Title: System Programing Code: CEL 449

**Course instructor: Engr Rizwan fazal**

**Lab instructor: Engr Rehan Baig**

# Real Estate Management System

## BSE. [5 -B]

**System Programming PROJECT REPORT**

## by

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| **ZARYAB ANSARI** | **02-131202-024** |
| **M. JUNAID SALEEM Qadri** | **02-131202-057** |

**ABSTRACT**

C++ is a powerful programming language that can be used to create a wide range of applications, including those that retrieve hardware information on a Windows PC. This type of application can be useful for system administrators, developers, and other professionals who need to gather information about the hardware components of a computer for troubleshooting, optimization, or other purposes.

Utilizing the Windows API, C++ developers can gather information about the hardware components of a computer for troubleshooting, optimization, or other purposes. This is a valuable tool for system administrators, developers, and other professionals in the field of computer science

# INTRODUCTION

Our project is shows all user’s pc information such as Serial Number, Model ,Interface Type, Drive Letter ,Size ,Free Space ,Media Type ,IsBootDrive From Disk information. Serial Number, Manufacturer, Product ,Version From System Management BIOS (SMBIOS) . Name, Driver Version, Memory, Resolution, Refresh Rate From GPUs information. Processor Id, Manufacturer, Name, Number of Cores, Number of Logical Processors From CPU information. Name, MAC Address From Network Adapters. Name, IsHypervisorPresent, OS Version, OS Name, OS Architecture, OS SerialNumber From System information. Part Number From Physical Memory and Computer Hardware Id From Registry information.

# PROJECT SCOPE

A project written in C++ to get hardware info on a Windows PC. Interfaces with the Windows Management Instrumentation (WMI) service to query hardware info of interest and provides a basic command line interface. Retrieves the following:

* Disks
* System Management BIOS (SMBIOS)
* GPUs
* CPU
* Network Adapters
* System
* Physical Memory
* Registry

# TECHNOLOGIES

* C ++

# GIT LINK:

https://github.com/junaidsaleem10144/System-info