Senior Project CSC480

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**Automatic Reservation for Student Locker System**

**Abstract:**

The University have a set of lockers for the free use of students. Currently the University have a manual reservation system. This paper is the documentation of a project to automate the reservation system of the lockers inside the campus.

**Introduction**:

This document is the written report of the project Automatic Reservation System for Student Lockers. Through this document, we will be analyzing the different areas that compounds our project, exposing our ideas and showing information and images that supports our design.

The university have a set of lockers distributed in several buildings inside the campus. These lockers can be used for any students, but the locker should be reserved first for its use. Currently this is a manual process and often students does not know the current status and availability of the lockers. Also to reserve one the have to go to a central office where reservations and cancellations takes place. Not always this office is near to the location of the student.

Our idea is to develop a system that automatizes the management of the lockers infrastructure inside the university.

**Project Objectives**:

The proposed project will be a website. This website will have the inventory of all lockers inside the University, managing its states and the reservations that students can set to use it.

The project has the following objectives:

* Save time and effort in the process of reserve lockers. This objective applies for both students and administrative staff.
* Provide a simple process short as possible to reserve a locker.
* Become a powerful tool for the managers of the university to control the historical state of the lockers providing a set of useful reports to analyze the use of the lockers also de most requested.