



Saint Vincent College Cabuyao
Mamatid, Cabuyao. Laguna



Name:	Cunanan	Zuriel Khristofer	Bernal
	Surname	First Name	Middle Name
Program:	Bachelor of Science Information Technology		

PROJECT PRESENTATION

I. General Subject Area

Standalone Application for Saint Vincent College of Cabuyao

II. Specific Topic

Project Excelsior: A Standalone WebWrapper Application for the Students and Personnel of Saint Vincent College of Cabuyao

A. Introduction

Since the internet become not only the most popular communication medium, it also advanced technologically making it reliable and dependable, a lot of use cases has emerged taking advantage of the said technology. Usage of internet from browsers and using internet services from web have become the most accessible way of utilizing the internet, from email, to instant messaging, and now even storage solutions we know now as "cloud".

Many company offers different ways of accessing their internet applications and we all can agree that majority of them is accessible both in their native app, and as a Web Page by going to their respective URL. *Google* is one of the most popular company that offers their services both using a browser and by downloading their native apps, and as they realize that more and more apps are moving to cloud services, they concluded that usage of too powerful computer for just a cloud application is unnecessary which lead to the birth of *Chromebooks*, a power saving notebook based on top of their browser *Chrome* which is designed to only run Web-based applications and dependent to Internet.

B. Background of Study

Pandemic emerged at year 2020, and most of people got locked down. Way of alternative learning system was tried out and as of year 2022, most of institutions use sets of free learning and meeting tools from internet alongside their paid or proprietary Online Learning Management System. *Saint Vincent College of Cabuyao* have been using their own Student Portal, as well as their very own LMS. Sets of tools used in their classes are mainly done using Zoom, Google Meet, and other sets of free tools in the internet mostly accessed via web browser.



The objective of this project is to minimize the usage of Web browser from the usage of Saint Vincent College of Cabuyao's System and LMS by developing a standalone web wrapper application that encloses the mentioned systems. This theoretically would minimize the incompatibility of the said tools, while increasing the ease of access and reliability as well as security. This application also aims to help users both student and staff alike by embedding relevant tools and other web apps inside of the application such as, scientific calculators, dictionary, office suites (word, excel, power point), etc.

C. Scope and Limitations

Scope of the Study

The focus of the study is to ease up and eliminate the use of external browser by packing up as much common tool needed by personnel and students alike. The output of this study aims to solve the following problems:

1. Usage of one web browser in all the web application you use can cause cookie usage mix up, which tells another app too much about you, and it may appear crossly to the relevant tools you use.
2. Usage of different web browsers to isolate the data, but consumes more resources.
3. Usage of tools in browser and looking them up on web could be rather overwhelming and hard to manage overtime.
4. Web App compatibility in browser; small margin of users use incompatible browser.

Limitation of the Study

For its limitation, the study is limited only to Senior High School to College Students of Saint Vincent College of Cabuyao. All personnel within the institution can also participate in this study.

This application is just a wrapper of the included tools to make it standalone. The performance of the apps inside of it is dependent to the server of that specific application, as well the user's computer performance + their internet connection. This application collects no data for personal usage and is just a web wrapper. All the remote data are stored within the app locally and the access would be depending on what tool you are opening and using but isolating it from all the web browsers you are using making it "standalone". But do note that any report of the included tool's misbehavior would be deliberated and shall be subjected to the removal of it within the Project Excelsior.