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GBC Event Management System

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Winning Team of Software Developers

George Brown College

146 Kendal Ave.

Toronto, ON 12345

# Revision History

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# Introduction

# Purpose

The purpose of this project is to present an information system to improve the current process of control and access to information, as well as the creation and management of events related to training activities. This system is developed through the steps adopted in software development, with the SCRUM methodology employed, models and the form of use.

# Scope

• Create a web system that facilitates information control and meets the requirements of the users involved;

• Control in the creation and management of associated events training activities by teachers;

• System with a code of easy maintenance;

• Development of the methodologies established through analysis, system modeling and development;

# Definitions, Acronyms, and Abbreviations

# References

|  |  |  |
| --- | --- | --- |
| **Reference File Name** | **Version** | **Description** |
| *Agile project management for dummies*.Layton, M. | 2017 | Project Management Book |

|  |  |
| --- | --- |
| **Name** | **Link** |
| Project Event Life Cycle | <https://www.cadmiumcd.com/cadmiumcd/home-overview.asp> |
|  |  |

# Positioning

## Business Opportunity

The training activities are activities that have a scientific, cultural and academic character and help in the process of formation and professional enrichment of the student. Such activities seek to value the educational diversification, expansion of the cultural environment, the integration of different areas of knowledge, production of studies, research, seminars, events, among others.

Given the need to establish such activities, demonstrating their importance as an enriching element in vocational training, in the process of enhancing the curriculum of courses and the quality of their pedagogical projects. The encouragement of teachers to participate in such activities may be enhanced by the opportunity to create their own events related to specific activities in which students will be widely encouraged to participate.

For this reason, undergraduate students should regulate the integration of training activities into their curriculum. Encouraging participation in seminars, research, projects, or other related activities tends to help students become more involved with academia and provide opportunities for them to participate in activities in a variety of fields, providing greater learning through experience.

## Problem Statement

To better understand the problem presented, existing system of organization and conducting extracurricular events in the college was studied throughout. Current solutions for announcement, registration, file exchange, students’ feedback is analyzed and documented. The list of the drawbacks for the existing system includes but not limited by the following facts.

Event announcements do not reach students outside GBC. Registration is done through the third party’s app or even manually. Administration is done manually and offline. Attendance is taken manually. File exchange does not exist. Messaging system is absent.

The solution found was the creation of a web system to control all processes involved in the evaluation of training activities, through the functionalities present among the different levels of users.

## Product Position Statement

As a differential, add to the teacher the function of creating and managing events that can be validated as training activities for students.

## SWOT Analysis

|  |  |
| --- | --- |
| **Strengths** | **Weaknesses** |
| System is precisely targeted in terms of audience and functionality. | Amount of resources and experience are not enough for a top-notch application. |
| App is intuitive | Framework’s functionality is limited |
| Developers team is professional and hardworking. |  |
| **Opportunities** | **Threats** |
| Bootcamps’ popularity is rapidly growing. | Concurrent internal web or mobile applications can overlap system’s functionality. |
| Education increasingly switches online. | External web portals or clouds can be used for similar purpose |
| More and more students are interested in additional educational online sources. | Framework can become deprecated |

# User Description

The current process of control and validation of training activities is relatively simple but fail-safe, requiring an efficient management of information. For this, we identified the need to have four different levels of access and their respective responsibilities. They are: ‘Student’, ‘Teacher’, ‘Secretary’ and ‘Administrator’.

For each profile, we identified:

• Student: perform the registration of vouchers, issuance of activity reports, registration in events created by teachers and reports on activities already validated;

• Teacher: Manage events that will be validated as activities. training for students and analysis of registered students;

• Secretary: Manage information for all users (except (Administrator), manage the presence of the students at events, validate registrations and change the rules of training activities as needed;

• Administrator: have full access within the system.

# System Features

1. Registration for an event.
2. On-site functionality for an event.
3. Complete and customize reports.
4. Management of workflow.
5. Increase accessibility.
6. Scalability of an event.

# Assumptions

1. It is assumed that students have access to a computer or smartphone to use GBC Event Management System.
2. It is assumed that users are registered as George Brown students who have login credentials to George Brown email.
3. It assumed that users accessing services are registered in George Brown course.

# Constraints

1. Usability:

1.1. Easy to learn and use the system.

1.2. Efficient form validation.

1.3. Functional design.

1. Performance:

2.1. Rapid response.

2.2 Accurate mechanism.