GBC Parking Reservation Application

Project Vision Document

Version 1.0

9/23/2019

Revision History

Revision	Date	Author	Reviewed By	Summary of Changes

Document Approval List

Version	Approved By	Signature	Date

Document Distribution List

Version	Name of the Receiver/Group	Date

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1   Introduction

The GBC Parking Reservation App Project Vision Document will provide an overview of the various components that will make the project a successful one. The document will provide the reader with an understanding of what the project is and its purpose. The Project Vision Document will define the following:

- Project Purpose
- Project Scope
- Definitions, Acronyms, and Abbreviations
- References
- Positioning
- Stakeholder and User Descriptions
- Stakeholder Requirements
- System Features
- Assumptions
- Constraints

1.1   Purpose

The GBC Parking Reservation App Project Vision Document will provide a definition of the project, including the project's goals and objectives. Additionally, the plan will serve as an agreement between the following parties: Project Sponsor, Project Team and other personnel associated with and/or affected by the project.

1.2   Scope

The project will introduce a web application that will allow GBC students and professors to reserve a parking spot at one of the three available lots. The application will have additional functionalities such as notifications, payment processing, cancelling a reservation, payment history, extending a reservation, payment of late fees and submission of comments. The application will be available to all GBC students and professors using their GBC number.

1.2.1   In Scope
-System processes

1.2.2   Out of Scope
-Wireframes

1.3   Definitions, Acronyms, and Abbreviations

Term	Explanation
GBC	Short for "George Brown College"
GBC Parking App	Refers to The GBC Parking Reservation Application

1.4   References

Reference File Name	Version	Description

Name	Link
SWOT analysis template and tips	: https://www.businessballs.com/strategy-innovation/swot-analysis/

2   Positioning

2.1   Business Opportunity

Currently there is no parking reservation system in place for GBC students and professors. There are some students who are unhappy with having to park on the street and wish there was a way to get parking at the school.

2.2   Problem Statement

The problem of students who begin classes in the afternoon being unable to secure parking at the college affects all GBC students since schedules vary based on the day, the impact of which is students having to park on the nearby streets which could result in traffic tickets and frustration. A successful solution would be the option to plan and secure a spot based on the day's schedule and to be able to pay for it in advance to reduce wait times.

2.3   Product Position Statement

For GBC students and professors who struggle to find a parking space at the college the GBC Parking App is a web based application that allows the user to reserve a parking spot at the lot they choose. Unlike the school's parking system which only allows payment of a spot once you parked there our product will allow the user to reserve and pay for a parking spot ahead of time, which will save time and the hassle of finding a spot.

2.4   SWOT Analysis

Strengths	Weaknesses
Unique application to GBC	Staff require training on using application
Innovative application that will make finding a parking spot quick and easy	Moderate chance of glitches and bugs
	No mobile version
Opportunities	**Threats**
Implement social media to help promote the application to GBC students and professors	No funding for startup costs and launch of application
Establish a good and reliable service application and improve it as much as possible	

3   Stakeholder and User Descriptions

The College Administration is responsible for the wellbeing of the students and professors. Currently, the school's parking lots are often full, and this causes traffic congestion as other vehicles attempt to find parking. The administration may receive complaints from students regarding this issue. Students and professors at the college sometimes struggle to find parking space at the school, and this causes frustration and the possibility of arriving late to class. Students and professors may even be forced to park on the side of the streets which could result in traffic tickets and increased walking distance to the school.

3.1   Stakeholder Summary

Stakeholder Name	Represents	Role
College Administration	Represents the college's interests, which includes its students and professors.	Will act as an overseer of the project, approving changes and providing feedback
Developer	The project architects.	Will create the project, which includes the layout and technical functionalities. Responsible for testing, primarily the admin functions.
Students/Professors	The end users of the application	They will be the clients of the system and can act as beta testers for the application

3.2   User Summary

User Name	Description	Responsibilities	Stakeholder
Students and Professors	The end user of the product.	May be involved in the project as beta testers, testing the product for usability.	Students/Professors
System Admin	The system administrator	Responsible for maintaining the system, ensuring that everything runs smoothly.	Project sponsor

4   Stakeholder Requirements

ID	Requirement	Stakeholder
1	Improve well-being of students and professors. Improve college approval rating.	College Administration
2	Make finding a parking space easier and reduce time spent driving around looking for parking.	Students/Professors
3	Creation of a functional system that is reliable and with minimal bugs.	Developer
4	Pre-payment of parking space to save time	Students/Professors
5	Cancelling of a parking space	Students/Professors
6	Having helpful information pertaining to the reservation in order to better manage it	Students/Professors

5   System Features

ID	Feature	Stakeholder Requirement ID
1	Parking spot selection…	2
2	Payment of parking spot…	4
3	Cancellation of a spot…	5
4	Confirmation of payment…	4
5	Summary report…	3
6	Notifications of reservation expiration…	6
7	Payment history…	3,6
8	Extension of reservation…	6
9	Payment of late fees…	3,6
10	Submit comments	1,3

6   Assumptions

- The project will include the mentioned functionalities
- The project will serve its intended purpose which is to assist students and professors in reserving parking spaces
- The project will serve to improve the college's approval rating as students and professors will be happier with the option to reserve parking
- The project sponsor (college administration) will be involved in overseeing the projects start and end
- Required programming libraries and IDEs will be available to use
- End users will be able to test the application

7   Constraints

- Technical constraint: system should be able to accommodate many users
- Business constraint: small team, working with four developers
- Time constraint: each project sprint is due on a fixed date