

# Project Plan

## T32 GBC Navigation App

Stakeholder	Jawad Butt
Primary Instructor	Anjana Shah
Team Member	Mike Denton
Team Member	Jason Thai
Team Member	Talha Sultan

### Document Revision History

Revision #	Date
2	2020-01-17

## 1. Executive Summary

The following describes the project to be executed.

Objective	The main purpose of this Project Plan is to define the core components of the GBC Navigation application. The navigation app will be designed to help GBC students and visitors to navigate through the campus buildings, floors and parking lots. The project plan will help us to reduce the risks and establish high expectations. This document also contains agreement between our stakeholder and among all of the team members involved in this application development.
Corporate Goals Addressed	To implement a tool to monitor app performance and to have consistent UI for user friendly experience
Planned Start Date	October 2, 2019
Planned End Date	March 27, 2020

## 2. Project Approvers, Reviews and Distribution List

Approvers, reviewers and distribution list

Project Role	Name	E-mail	Date
Project Manager	Jawad Butt	Jbutt3@georgebrown.ca	January 18, 2020
Team Leader	Mike Denton	mike.denton@georgebrown.ca	January 18, 2020
Backend/Front end Developer	Muhammad Talha Sultan	muhammadtalha.sultan@georgebrown.ca	January 18, 2020
Database Developer / Tester	Jason Thai	jason.thai@georgebrown.ca	January 18, 2020

### 3. Scope

Define the sum total of all of its products and their requirements or features.

In Scope	Out of Scope
Draw destination route on the map based on the origin	Intended only for visitors and George brown students
Using static origin / destination coordinates stored in the database	Cannot be used for locations outside the Casa Loma campus
GPS to determine whether user is in the vicinity of the campus	Must be online to use the application

### 4. Deliverables

This project will deliver the following.

Deliverable	Description
Free Download	Use of free technologies and software allows for the application to be released at no cost – there's no need to charge for downloading
Notifications	Users will be notified when the application is down for maintenance or other work

### 5. Assumptions

This project makes the following assumptions;

- Framework decision to move from NativeScript to Ionic due to tool limitations
- Database moved from Mongo to Firebase for more administrative tools
- Google Fire Cloud Messaging (FCM) plugin for push notifications in case of app failures
- Ionic GPS feature for detecting boundary of image.

## 6. Dependencies

### Internals:

- Users using GPS features of the app to determine the boundary of the campus and detect GBC's wireless network
- Team design of maps (interior/exterior) to provide better accessibility for users
- Database (Firebase) to monitor app performance

### Externals:

- Internet access (available only online)
- User satisfaction based on any sort of feedback/usage/etc

## 7. Risk Management

Potential Risk	Severity (H/M/L)	Likelihood (H/M/L)	Management Strategy
GPS boundary detection on a static image	M	M	Consult Lead Developer for alternatives
Unable to perform field testing	M	M	Use available tools for testing
Data loss	H	L	Version Control System tool: GitHub to upload latest changes as well as having local changes

## 8. Communication

### Reporting

The following reports will be produced;

Report	Audience	Frequency
Minutes of meetings	T32	Bi-weekly
Requirements Analysis and Design	T32	Once
Sprint 4	T32	Once

**Meetings**

The following meetings/communication will be established;

Meeting	Purpose	Attendees	Frequency
Minutes of meeting 1	Discussion of project scope	All T32 members	Once
Minutes of meeting 2	Continuation of project scope and technology requirements	All T32 members	Once
Minutes of meeting 3	Discussing mockups and in depth requirements	All T32 members	Once
Minutes of meeting 4	Present demo of prototype to stakeholder  Check project progress and discuss possible features	All T32 members	Once

## 9. Task Listing (WBS- Work Breakdown Structure)

Referen ce	Tasks	Duration	Dependency
Jason Thai  Talha Sultan	Documenting <b>Minutes of meeting</b>	1 hr	All members discussions
Jason Thai  Talha Sultan	List tools and requirements need in the ' <b>Requirements Analysis and Design</b> ' document	3 hrs	' <b>Minutes of meeting</b> ' for the scope of the project
Jason Thai  Talha Sultan	Completing the <b>Project Plan</b>	4 hrs	Previous documentati on of ' <b>Requiremen ts analysis and design</b> '
Jason Thai  Talha Sultan	Completing the <b>Project Status Report</b>	1 hr	' <b>Requiremen ts analysis and design</b> ' and ' <b>Minutes of meeting</b> ' for referrals

## 10. Gantt Chart

Task	Period										Comple ted
	Dates	Dates	Dates	Dates	Dates	Dates	Dates	Dates	Dates	Dates	
Minutes of meeting	OCT/3 0/2019	NOV/20 /2019	DEC/ 11/20 19	JAN/15 /2020							JAN/15/2 020
Project Plan	JAN/12 / 2020	JAN/13/ 2020	JAN/ 14/20 20	JAN/15 /2020							JAN/17/2 020
Project Status Report	JAN/12 /2020										JAN/12/2 020
Sprint 4	NOV/0 6/2019	NOV/11 /2019	NOV/ 22/21 9	NOV/2 5/2019							NOV/25/ 2019

## 11. Milestones

Major Activity or Milestone	Estimated Milestone Target date	Owner/Reviewer Team Members
Sprint 4	JAN/25/2019	JAN/23/2019
Project Plan	JAN/17/2020	JAN/18/2020
Minutes of Meeting	JAN/15/2020	JAN/15/2020

## 12. RAM – Responsibility Assignment Matrix

Project name: GBC Navigation App		Project Manager: Talha Sultan
Tasks	Talha Sultan	Jason Thai
Minutes of Meeting	P	P
Requirements Analysis and Design	P	P
Project Plan	P	P
Project Status Report	S	S

## 13. Approval

Project Role	Name	Signature	Date
Developer	Jason Thai	J.T	2020-01-12
Developer	Talha Sultan	T.S	2020-01-12
Lead developer	Mike Denton	M.D	2020-01-18
Stakeholder	Jawad Butt	J.B	2020-01-18