Project Plan

Group Maker

Industry Partner	
Primary Instructor	Anjana Shah
Team Member	Alexander Balez
Team Member	Barrington Venables
Team Member	Kevin Ufkes
Team Member	Thiago Macielhissa
Team Member	

Document Revision History

Revision #	Date

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1. Executive Summary

Objective	To Build a simple, user friendly, yet powerful application which will facilitate connection and collaboration among students in a more effective way than the currently existing tools.
Corporate Goals Addressed	- Improve student collaboration, professionalism, engagement, and sense of community. - Improve the social integration for those students who might otherwise find it difficult. - Reduce the teacher administrative workload for group projects and encouraging collaboration
Planned Start Date	2020-9-14
Planned End Date	2021-4-2

2. Project Approvers, Reviews and Distribution List

Project Role	Name	E-mail	Date
Programmer/Analyst	Kevin Ukfes	kevin.ufkes@georgebrown.ca	Oct. 9, 2020
Programmer/Analyst	Barrington Venables	barrington.venebles@georgebrown.ca	Oct. 9, 2020
Programmer/Analyst	Alex Balex	alexander.balez@georgebrown.ca	Oct. 9, 2020
Programmer/Analyst	Thiago Hissa	thiago.macielhissa@georgebrown.ca	Oct. 9, 2020
Project Overseer	Anjana Shah	ashah@georgebrown.ca	Oct. 9, 2020

3. Scope

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

In Scope	Out of Scope
Database Schema	Interfacing directly with college databases
Server Configuration	Collaboration platform
UI Features	
Application Features i.e. Grouping, Auto-matching, Ranking, Sign-up	
UI Features	
Web Implementation	
Mobile Implementation	
Interfaces for Students, Professors and Administrators	

4. Deliverables

Deliverable	Description
Web Implementation of Group Maker Application	Application will be available for students, professors, and administrators to access their account and associated data via internet browser.
Mobile Implementation of Group Maker Application	Application will be available for students, professors, and administrators to access their account and associated data via mobile application.

5. Assumptions

This project makes the following assumptions:

- Users will have access to a computer or mobile device with internet connection.
- Users will want to create their own groups outside of a specific course project with their own decided focus.
- Server support will be straightforward and relatively cheap to obtain.

6. Dependencies

The following are the internal and external dependencies that will have to be acknowledged and addressed:

- Active involvement of administrators to add Courses and Students to the application's database
- Active involvement of professors to add projects and group number limitations within a given course so they are available for students.
- Active involvement of students to sign up, make profiles and make groups, request to join groups, accept auto-generated groups.
- Webserver and database to store and deliver data to users.

7. Risk Management

Potential Risk	Severity (H/M/L)	Likelihood (H/M/L)	Management Strategy
Bad technology platform choice	H	M	Do appropriate research up front, Make initial design platform agnostic

			Build test project first with proposed platform
Bad schema design	M	L	Design modular application so schema can be more easily adjusted, use appropriate testing methods to simulate large amounts of data
Assigned task is over time	L	M	Continuous group communication in case task assignments need to be adjusted

8. Communication

Reporting

The following reports will be produced:

Report	Audience	Frequency
Sprint report	team members	weekly
Issue ticket	team members	daily
Commit message	team members	up to multiple per day
Milestone report	team members and instructor	Approximately twice per month

Meetings

The following meetings/communication will be established:

Meeting	Purpose	Attendees	Frequency
Sprint retrospective	review the efficiency and effectiveness of the previous sprint	dev team	weekly
Sprint review	Review the deliverables from the previous sprint for QA	dev team	weekly
Product backlog grooming	Update items in the product backlog and prioritize	dev team	weekly

Scrum stand-up	briefly discuss tasks for the day and possible problems, challenges, or optimizations	dev team	daily

9. Task Listing (WBS- Work Breakdown Structure)

The following resource proposal template summarizes the resource hours committed to this project, upon final approval of this document.

Reference	Tasks	Duration	Dependency
A	Project summary	2 weeks	
B	Project initiation	1 week	A
C	High level requirements	1 week	A
D	Project vision	2 weeks	B
E	Data models	1 week	D
F	Portfolio	4 weeks	D
G	Presentation 1	2 weeks	F
H	Wireframe	3 weeks	E
I	Prototyping	4 weeks	E
J	Database	1 week	I
K	Authentication	1 week	I
L	Administration	1 week	K
M	Groups	4 weeks	K
N	Profiles	3 weeks	J
O	Rating	3 weeks	N
P	Presentation II	3 weeks	O
Q	Matching algorithm	4 weeks	P
R	Finishing touches	4 weeks	Q

10. Gantt Chart - See attached document

11. Milestones

Major Activity or Milestone	Estimated Milestone Target date	Owner/Reviewer Team Members
Groups and profiles functional	2020-1-14	Barrington
Professor user functionality	2020-1-21	Thiago
Matching and auto features	2020-2-11	Kevin
Admin functionality	2020-2-25	Alex
Student UX refinements	2020-3-11	Barrington
Complete	2020-4-2	All

12. RAM – Responsibility Assignment Matrix

Project Team Responsibilities				
Project Name	Group Maker			
Project Manager	Anjana Shah			
	P = Primary S = Secondary			
Task	**Alex**	**Barrington**	**Kevin**	**Thiago**
Project summary	S	P		
Project initiation		P	S	
High level requirements	S	S	P	
Project vision	P	S	S	S
Data models	P			S
Portfolio			S	P

Presentation 1		P		S
Wireframe			P	
Prototyping	P	S		
Database	P			S
Authentication	S			P
Administration		P	S	
Groups		P		
Profiles			P	S
Rating	S	P		
Presentation II		P		S
Matching algorithm	P			S
Finishing touches		P	S	

13. Approval

The signatures below indicate their approval of the contents of this document.

Project Role	Name	Signature	Date
Developer	Alexander Balez		2020-10-10
Developer	Barrington Venables		2020-10-10
Developer	Kevin Ufkes		2020-10-10
Developer	Thiago Macielhissa		2020-10-10