



# PROJECT PLAN, TEAM CHARTER, PRODUCT AND SPRINT BACKLOG

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**Revision History**

Revision	Date	Author	Reviewed By	Summary of Changes
1	1/18/2019	Leila Jalali Abyaneh Sogol Ganji Haghighi Roy Artarian	Leila Jalali Abyaneh	In parent class we have added some extra field: 1- Password with max_length = 100 2- Province with max_length = 100
1	1/18/2019	Leila Jalali Abyaneh Sogol Ganji Haghighi Roy Artarian	Leila Jalali Abyaneh	In all relational tables we have added a field called description
1	1/18/2019	Leila Jalali Abyaneh Sogol Ganji Haghighi Roy Artarian	Leila Jalali Abyaneh	We have added a new class and table called GoogleMapCache: Reason was the number of limitation by google for sending request, so we made this new class for two reasons: 1- Cache data for the sack of speed and performance 2- Managing the limitation of number of requests to the google server
1	1/18/2019	Leila Jalali Abyaneh Sogol Ganji Haghighi Roy Artarian	Leila Jalali Abyaneh	In Children class and table we changed the max_length to 10
1	1/18/2019	Leila Jalali Abyaneh Sogol Ganji Haghighi Roy Artarian	Leila Jalali Abyaneh	In Children class and table we have added some new fields: 1- hasDisability with max_length = 1 2- playMusic with max_length = 1 3- intrestedInDance with max_length = 1 4- hasPet with max_length = 1 5- has Allergy with max_length = 1
1	1/18/2019	Leila Jalali Abyaneh Sogol Ganji Haghighi Roy Artarian	Leila Jalali Abyaneh	For the first time when user signup to the application we redirect to the making parent profile page, but for the second time after user login we redirect to the home page the same as project plan
1	1/18/2019	Leila Jalali Abyaneh Sogol Ganji Haghighi Roy Artarian	Leila Jalali Abyaneh	We have added new class and table called Personalities and the relation table called ChildrenPersonalities
1	1/18/2019	Leila Jalali Abyaneh Sogol Ganji Haghighi Roy Artarian	Leila Jalali Abyaneh	We have added new class and table called FavoriteColor and the relation table called ChildrenFavoriteColors
1	1/18/2019	Leila Jalali Abyaneh Sogol Ganji Haghighi Roy Artarian	Leila Jalali Abyaneh	In order to make the admin page we had to add class meta and overriding all the toString methods for all the classes in model.py file

**Document Approval List**

Version	Approved By	Signature	Date
1	Leila Jalali Abyaneh		1/18/2019
1	Sogol Ganji Haghighi		1/18/2019
1	Roy Artarian		1/18/2019

**Document Distribution List**

Version	Name of the Receiver/Group	Date
1	T03 MBF group	1/18/2019

## 1. Executive Summary

Objective	The application is going to help families with children all around the world. The Idea is about an application which is useful and beneficial for children and parents (especially new comers, immigrants or those who have recently moved from other cities or locations) to be able to acclimate easier to their new surroundings. Parents can make a profile for each one of their children and find the appropriate match as a friend for their children. This application provides some specific tools based on parents considerations and interests to help their children have a better social life, enjoy their childhood, share and improve their skills with other children and so on. In addition, this application helps parents share their difficulties and experiences with other parents in possibly similar situations and help find the best solutions to nurture their children. Moreover, this application is being designed for all children, so it can also be very helpful for children who suffer from various disabilities, disorders and diseases such as Autism, Down syndrome, deafness, etc...
Corporate Goals Addressed	Helping Families find friends for their kids Helping Families share their experience in dealing with kids with special needs Help kids under 13 to have a social network page under the parents supervision
Planned Start Date	4/Sep/2018
Planned End Date	4/Jan/2019

## 2. Project Approvers, Reviews and Distribution List

Project Role	Name	E-mail	Date
Project Manager	Leila Jalali Abyaneh	<a href="mailto:Leila.JalaliAbyaneh@georgebrown.ca">Leila.JalaliAbyaneh@georgebrown.ca</a>	04/Sep/2018
Team Member	Sogol Ganji Haghighi	<a href="mailto:Sogol.ganjihaghighi2@georgebrown.ca">Sogol.ganjihaghighi2@georgebrown.ca</a>	04/Sep/2018
Team Member	Roy Artarian	<a href="mailto:Roy.Artarian@georgebrown.ca">Roy.Artarian@georgebrown.ca</a>	04/Sep/2018

## 3. Scope

In Scope	Out of Scope
Finding friends for children based on parent's criteria	System will not match any friends for adults
Option for searching friend based on language	The application will not provide the functionality of sharing media contents such as, picture, movies, audio or files.

Option for searching friend based on nationality	System will not provides extra features such as finding daycare
Option for searching friend based on children's hobbies	System will not provides extra features such as health care
Option for searching friend based on personality	System will not provides extra features such as schools
Option for searching friend based on skills such as dance, sport, playing music, singing or any kind of skills for children	
Option for searching friend based on especial needs for CDWS	
Option for searching friend based on children's favorites games or activities	
Option for searching friend based on school	

## 4. Deliverables

Deliverable	Description
Web Application	Web application which provides user friendly interface for MBF portal.
Search capability to search and match with other kids in the neighbourhood.	Depending on the profile information and parent's criteria, background algorithms will find similar matches.

## 5. Assumptions

This project makes the following assumptions:

- a. Similar families exist in the same neighbourhood
- b. Amazon Web services are always up and running
- c. Admins and users have internet access

## 6. Dependencies

- a. System should be running on a server
- b. Clients need internet in order to access the system
- c. Admins required internet to connect to server
- d. System should have sufficient number of profiles

## 7. Risk Management

Potential Risk	Severity (H/M/L)	Likelihood (H/M/L)	Management Strategy
Web Site Security	High	Somewhat Unlikely	We will use the latest security software to avoid any ddoss attack, and spam logins we will use recaptcha
Server Uptime	Medium	Unlikely	We will try to use the best service provider like AWS and will try to have a second company to have our website back up and running.
Unreliable neighbourhood match during the search	Medium	Somewhat Likely	We will try to implement a regular expression to cover every kind of postal codes in Canada, and if necessary, other countries as well to avoid any none trustable match.

## 8. Communication

### Reporting

The following reports will be produced;

Report	Audience	Frequency
Status report	Capstone instructor and team members	Bi-Weekly

### Meetings

The following meetings/communication will be established;

Meeting	Purpose	Attendees	Frequency
Current Status Meeting	Discuss the current activities status and share workload	All team Members	Weekly

## Product Backlog

Priority	Prioritization (MoSCoW)	User Story
7	Should	As a parent, I needs to be able to find a friend for my child who also plays music to motivate my child.
19	Could	As a parent, I want to be able to find my children friends who are in the same school in order to have the opportunity of ride sharing.
8	Should	As a parent, I want to be able to help, find friends for my child based on personality to help my child socialize.
9	Should	As a parent, I want to find friends from my home country, so my children can practice their mothers tongue as well.
1	Must	As a Parent, I need a user registration form to create an account.
2	Must	As a parent, I need to be able to find friends for my child within my neighborhood.
10	Should	As a parent, I need to find and meet other parents with autism children to share their experiences.
11	Should	As a parent, I need to find friends for my child with similar situation to help my child to enjoy childhood activities.
12	Should	As a parent, I want to be able to find friends based on favorite sports.
20	Could	As a parent, I want to be able to find friends based on skills such as dancing to help my child to make a team.
3	Must	As a parent, I want to be able to login to child's profile to make necessary changes and supervise the information.
4	Must	As a parent, I want to be able to search friends based on nationality to help my child remember and promote their culture.
5	Must	As the system administrator, I need to be able to login to website dashboard with administrative rights to see system statistics.
6	Must	As the system administrator, I need to have a development environment to test new features without affecting production system
21	Could	As the system administrator, I need to have system dashboard to have a general view of system.
13	Should	As the system administrator, I should be able to install patch and update versions.
14	Should	As the system administrator, I should be able to monitor system performance.



15	Should	As the system administrator, I should be able to take backups and restore them.
16	Should	As the system administrator, I should be able to test and debug the new updates.
17	Should	As the system administrator, I should have access to delete or modify the data.
18	Should	As the system administrator, I should have access to user's profiles on the dashboard, to remove user profile or information when it is necessary.

## 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.

### Old Version

Reference	Tasks	Duration	Dependency
A	Search for webserver	8	
B	Implement web server	8	A
C	Create database tables	30	B
D	Create user authentication	12	C
E	Create Classes	30	C
F	Create views	20	E
G	Create a search match algorithm	30	E
H	Create user/admin dashboard	20	E

## New Version

Tasks	People Assigned	% Complete	Duration (Day)
Login	Leila	80%	4
Sign up form	Leila	100%	4
Contact us	Leila	100%	7
About us	Leila	100%	7
Header	Leila	100%	7
Terms and Conditions	Leila	100%	7
Logout	Leila	100%	7
Child Profile	Leila	100%	7
Final Parent Profile	Leila	100%	7
Authentication	Leila	80%	37
Insert Sign up form to db	Leila	100%	5
Pre-Processor for parent profile	Leila	100%	10
Insert parent profile to db	Sogol	100%	5
Insert child to db	Sogol	100%	5
Insert child languages to db	Sogol	100%	5
Insert child skills to db	Sogol	100%	5
Insert child favorite games to db	Sogol	100%	5
Insert child favorite colors to db	Sogol	100%	5
Insert child sports to db	Sogol	100%	5
Insert child pets to db	Sogol	100%	5
Insert child musical instruments to db	Sogol	100%	5
Insert child dances to db	Sogol	100%	5
Insert child disabilities to db	Sogol	100%	5

Insert child allergies to db	Sogol	100%	5
Insert child personalities to db	Sogol	100%	5
Final children profile	Leila	100%	15
Edit child in db	Leila	100%	15
Find friend	Leila	100%	15
Result of match	Leila	80%	19
Calculating distance based on Google api	Leila	100%	9
Defining class and table Parents	Leila	100%	9
Defining class and table Children	Leila	100%	9
Defining class and table Languages	Leila	100%	9
Defining class and table ChildrenLanguages	Leila	100%	9
Defining class and table Skills	Leila	100%	9
Defining class and table ChildrenSkills	Leila	100%	9
Defining class and table FavoriteGanes	Leila	100%	9
Defining class and table ChildrenFavoriteGames	Leila	100%	9
Defining class and table Sports	Leila	100%	9
Defining class and table ChildrenSports	Leila	100%	9
Defining class and table Disabilities	Leila	100%	9
Defining class and table ChildrenDisabilities	Leila	100%	9
Defining class and table FavoriteColors	Leila	100%	9
Defining class and table ChildrenFavoriteColors	Leila	100%	9
Defining class and table Pets	Leila	100%	9
Defining class and table ChildrenPets	Leila	100%	9
Defining class and table MusicalInstruments	Leila	100%	9
Defining class and table ChildrenMusicalInstruments	Leila	100%	9
Defining class and table Dances	Leila	100%	9
Defining class and table ChildrenDances	Leila	100%	9
Defining class and table Allergies	Leila	100%	9
Defining class and table ChildrenAllergies	Leila	100%	9
Defining class and table Personalities	Leila	100%	9
Defining class and table ChildrenPersonalities	Leila	100%	9
Defining class and table GoogleMapCache	Leila	100%	9
Footer.html	Sogol	70%	12
Header.html	Sogol	70%	12
AboutUs.html	Sogol	70%	12
ChildProfile.html	Sogol	70%	12
ContactUs.html	Sogol	70%	12
FinalChildProfile.html	Sogol	70%	12
FinalParentProfile.html	Sogol	70%	12
FindFriend.html	Sogol	70%	12
Home.html	Sogol	70%	12
Index.html	Sogol	70%	12
Login.html	Sogol	70%	12
ParentProfile.html	Sogol	70%	12
ResultOfMatch.html	Sogol	70%	12
ResultOfMatch.html	Sogol	70%	12
SignUp.html	Sogol	70%	12
TermsAndConditions.html	Sogol	10%	5

Defining class and table ChildrenMusicalInstruments	Leila	100%	9
Defining class and table Dances	Leila	100%	9
Defining class and table ChildrenDances	Leila	100%	9
Defining class and table Allergies	Leila	100%	9
Defining class and table ChildrenAllergies	Leila	100%	9
Defining class and table Personalities	Leila	100%	9
Defining class and table ChildrenPersonalities	Leila	100%	9
Defining class and table GoogleMapCache	Leila	100%	9
Footer.html	Sogol	70%	12
Header.html	Sogol	70%	12
AboutUs.html	Sogol	70%	12
ChildProfile.html	Sogol	70%	12
ContactUs.html	Sogol	70%	12
FinalChildProfile.html	Sogol	70%	12
FinalParentProfile.html	Sogol	70%	12
FindFriend.html	Sogol	70%	12
Home.html	Sogol	70%	12
Index.html	Sogol	70%	12
Login.html	Sogol	70%	12
ParentProfile.html	Sogol	70%	12
ResultOfMatch.html	Sogol	70%	12
ResultOfMatch.html	Sogol	70%	12
SignUp.html	Sogol	70%	12
TermsAndConditions.html	Sogol	10%	5
Making the Power User	Roy	100%	15
Admin Page	Roy	100%	15
Admin Add data	Roy	100%	15
Admin Edit data	Roy	100%	15
Admin Delete data	Roy	100%	15
Admin Show data	Roy	0%	28
Password for login validation	Roy	0%	7
Nav bar	Roy	0%	7
Friendship table	Leila	0%	7
Google recaptcha	Roy	0%	7
Country api	Roy	0%	24
Province api	Roy	0%	18
City api	Roy	0%	18
Postal code validation	Roy	0%	11
Upload picture for parent	Leila	0%	2
Upload picture for children	Leila	0%	2
Google map api	Roy	0%	30
Send email for each friend request	Roy	0%	19
Send email for contact us or suppor	Roy	0%	19
Add friend	Leila	0%	24
Send request	Leila	0%	24
Delete request	Leila	0%	24
Block friend	Leila	0%	24
Unfriend friend	Leila	0%	24

# 10. Gantt Chart

## Old Version

Task	Week																			Complete
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Search for webserver	█	█	█																	5-Nov-18
Implement web server			█	█																19-Nov-18
Create database tables					█	█	█	█												31-Oct-18
Create user authentication								█	█	█										10-Dec-18
Create Classes										█	█	█	█							31-Dec-18
Create views													█	█	█	█	█			10-Jan-19
Create a search match algorithm																█	█	█	█	4-Feb-19
Create user/admin dashboard																	█	█	█	18-Mar-19



## 11. Milestones

### Old Version

Major Activity or Milestone	Estimated Milestone Target date	Owner/Reviewer Team Members
Search for webserver	05-NOV-18	Roy, Leila and Sogol
Implement web server	19-Nov-18	Roy, Leila and Sogol
Create database tables	31-Oct-18	Roy and Leila
Create user authentication	10-Dec-18	Roy and Leila
Create Classes	31-Dec-18	Leila and Sogol
Create views	10-JAN-19	Sogol and Roy
Create a search match algorithm	04-FEB-19	Roy, Leila and Sogol
Create user/admin dashboard	18-MAR-19	Roy and Leila

### New Version

Tasks	People Assigned	Estimated Milestone Target date
Login	Leila	4-Jan-19
Sign up form	Leila	6-Jan-19
Contact us	Leila	6-Jan-19
About us	Leila	6-Jan-19
Header	Leila	6-Jan-19
Terms and Conditions	Leila	6-Jan-19
Logout	Leila	6-Jan-19
Child Profile	Leila	12-Jan-19
Final Parent Profile	Leila	12-Jan-19
Authentication	Leila	11-Feb-19
Insert Sign up form to db	Leila	5-Jan-19
Pre-Processor for parent profile	Leila	15-Jan-19
Insert parent profile to db	Sogol	5-Jan-19
Insert child to db	Sogol	5-Jan-19
Insert child languages to db	Sogol	5-Jan-19
Insert child skills to db	Sogol	5-Jan-19
Insert child favorite games to db	Sogol	5-Jan-19
Insert child favorite colors to db	Sogol	5-Jan-19
Insert child sports to db	Sogol	5-Jan-19
Insert child pets to db	Sogol	5-Jan-19
Insert child musical instruments to db	Sogol	5-Jan-19
Insert child dances to db	Sogol	5-Jan-19
Insert child disabilities to db	Sogol	5-Jan-19
Insert child allergies to db	Sogol	5-Jan-19
Insert child personalities to db	Sogol	5-Jan-19
Final children profile	Leila	15-Jan-19

Edit child in db	Leila	15-Jan-19
Find friend	Leila	15-Jan-19
Result of match	Leila	15-Jan-19
Calculating distance based on Google api	Leila	18-Jan-19
Defining class and table Parents	Leila	5-Jan-19
Defining class and table Children	Leila	5-Jan-19
Defining class and table Languages	Leila	5-Jan-19
Defining class and table ChildrenLanguages	Leila	5-Jan-19
Defining class and table Skills	Leila	5-Jan-19
Defining class and table ChildrenSkills	Leila	5-Jan-19
Defining class and table FavoriteGanes	Leila	5-Jan-19
Defining class and table ChildrenFavoriteGames	Leila	5-Jan-19
Defining class and table Sports	Leila	5-Jan-19
Defining class and table ChildrenSports	Leila	5-Jan-19
Defining class and table Disabilities	Leila	5-Jan-19
Defining class and table ChildrenDisabilities	Leila	5-Jan-19
Defining class and table FavoriteColors	Leila	5-Jan-19
Defining class and table ChildrenFavoriteColors	Leila	5-Jan-19
Defining class and table Pets	Leila	5-Jan-19
Defining class and table ChildrenPets	Leila	5-Jan-19
Defining class and table MusicalInstruments	Leila	5-Jan-19
Defining class and table ChildrenMusicalInstruments	Leila	5-Jan-19
Defining class and table Dances	Leila	5-Jan-19
Defining class and table ChildrenDances	Leila	5-Jan-19
Defining class and table Allergies	Leila	5-Jan-19
Defining class and table ChildrenAllergies	Leila	5-Jan-19
Defining class and table Personalities	Leila	5-Jan-19
Defining class and table ChildrenPersonalities	Leila	5-Jan-19
Defining class and table GoogleMapCache	Leila	5-Jan-19
Footer.html	Sogol	19-Jan-19
Header.html	Sogol	19-Jan-19
AboutUs.html	Sogol	19-Jan-19
ChildProfile.html	Sogol	19-Jan-19
ContactUs.html	Sogol	19-Jan-19
FinalChildProfile.html	Sogol	19-Jan-19
FinalParentProfile.html	Sogol	19-Jan-19
FindFriend.html	Sogol	19-Jan-19
Home.html	Sogol	19-Jan-19
Index.html	Sogol	19-Jan-19
Login.html	Sogol	19-Jan-19
ParentProfile.html	Sogol	19-Jan-19
ResultOfMatch.html	Sogol	19-Jan-19
ResultOfMatch.html	Sogol	19-Jan-19
SignUp.html	Sogol	19-Jan-19
TermsAndConditions.html	Sogol	28-Feb-19
Making the Power User	Roy	19-Jan-19
Admin Page	Roy	19-Jan-19
Admin Add data	Roy	19-Jan-19
Admin Edit data	Roy	19-Jan-19
Admin Delete data	Roy	19-Jan-19
Admin Show data	Roy	19-Jan-19
Password for login validation	Roy	28-Feb-19
Nav bar	Roy	11-Feb-19
Friendship table	Leila	11-Feb-19



Google recaptcha	Roy	11-Feb-19
Country api	Roy	11-Feb-19
Province api	Roy	11-Feb-19
City api	Roy	11-Feb-19
Postal code validation	Roy	29-Jan-19
Upload picture for parent	Leila	16-Feb-19
Upload picture for children	Leila	16-Feb-19
Google map api	Roy	16-Feb-19
Send email for each friend request	Roy	16-Feb-19
Send email for contact us or suppor	Roy	16-Feb-19
Add friend	Leila	13-Feb-19
Send request	Leila	13-Feb-19
Delete request	Leila	13-Feb-19
Block friend	Leila	13-Feb-19
Unfriend friend	Leila	13-Feb-19
Confirm request	Leila	13-Feb-19
Search for a person Id	Leila	13-Feb-19
Add friend based on search	Roy	13-Feb-19
Forget password for login	Roy	28-Feb-19
Add logo	Roy	28-Feb-19
Delete profile for or make hidden or inactive	Roy	28-Feb-19
Delete for parent and each child	Roy	28-Feb-19
All try excepts	Roy	28-Feb-19
Friends list, request	Roy	28-Feb-19
Your requests	Roy	28-Feb-19
Javascript messages	Roy	28-Feb-19

## 12. RAM – Responsibility Assignment Matrix

<b>Project Team Responsibilities</b>
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**Project Name:**

MBF
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**Project Manager:**

Leila Jalali Abyaneh
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Task	Leila	Roy	Sogol
Search for webserver	S	P	S
Implement web server	P	S	S
Create database tables	S	P	
Create user authentication	P	S	
Create Classes	P		S
Create views		S	P
Create a search match algorithm	P	S	S
Create user/admin dashboard	S	P	

***P=Primary S=Secondary***

## 13. Approval

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

Project Role	Name	Signature	Date
Team Leader	Leila	Leila	09-Oct-18
Team Member	Sogol	Sogol	09-Oct-18
Team Member	Roy Artarian	Roy	09-Oct-18