Project Plan

Bits to Bites Mobile Application

Industry Partner	N/A
Primary Instructor	Anjana Shah
Team Member	Corradina Dinatale
Team Member	Noah Huboux
Team Member	Stefan Grujic
Team Member	Nikola Vojinovic

Document Revision History

Revision #	Date
1.0	10/11/2020
2.0	31/01/2021

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1. Executive Summary

The following describes the project to be executed.

Objective	The creation of a mobile application that will search recipes for clients based on the ingredients they input. It will also offer additional features to improve user experience, such as unit conversion on recipes, ingredient multiplication, the ability to upload and save recipes and an ingredient expiry-date reminder.
Corporate Goals Addressed	The creation of the mobile recipe application will address the corporate goals of the betterment of society, as well as addressing food waste issues and educating people on the joys of cooking.
Planned Start Date	October 11, 2020
Planned End Date	April 2, 2021

2. Project Approvers, Reviews and Distribution List

Approvers, reviewers and distribution list

Project Role	Name	E-mail	Date
Front-end Developer	Corradina Dinatale	Corradina.dinatale@georgebrown.ca	10/7/20
Back-end Developer	Noah Huboux	Noah.huboux@georgebrown.ca	10/7/20
Front-end Developer	Stefan Grujic	Stefan.grujic@georgebrown.ca	10/7/20
Back-end Developer	Nikola Vojinovic	Nikola.vojinovic@geogebrown.ca	10/7/20

3. Scope

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

In Scope	Out of Scope
Search Capability	Built in Alarm Feature
Create Account	Reads out Recipe Steps
Upload Recipes	Compatibility across all platforms
Sort Searches	Website version
Unit Converter	Can listen to Voice Commands
Ingredient Multiplier	
Lock Screen Feature when Cooking	
Expiry Date Reminder for Ingredients	

4. Deliverables

This project will deliver the following.

Deliverable	Description
Search Capability	Offers the user recipe based on what ingredients they input. Should be very dynamic and offer the best possible options.
Create Account	User can create their own account to have a more personalized experience and use some more extensive features
Upload Recipes	Offers the user the capability to upload their own recipes to our application, so that other users can see and use their recipe.
Sort Searches	Sort the searches based on criteria the user would find appealing and useful. Categories will include, sorting by difficulty lelvel, type of meal, dietary restrictions and cost.
Unit Converter	Offers the user the capability to convert

	any measurements within the recipes to any type of unit, so if they prefer cooking with cups, grams or ounces as a measurement they can.
Ingredient Multiplier	Offers the user the capability to dynamically change the amount of ingredients needed for the recipe based on the number of people they are cooking for.
Lock Screen Feature when Cooking	Will offer the user the capability to lock the screen on the recipe they are using so they do not have to constantly turn on their phone.
Expiry Date Reminder for Ingredients	Will offer the user the capability to enter their ingredients' expiry date and will remind users when the product is close to its expiration date.

5. Assumptions

This project makes the following assumptions:

- Users of other recipe generating applications are willing to change their choice of application to take advantage of the functionality offered by our application.

- We will have access to enough original recipes that are available to create an extensive base product that will satisfy customers and create the foundation for users to add additional recipes.

- Project team members will work when available as needed to complete project tasks and objectives.

- The Project team members will participate in the timely execution of the Project Plan (i.e., timely approval cycles and meeting when required).

- Failure to identify changes to draft deliverables within the time specified in the project timeline will result in project delays.

- Project team members will adhere to the Communications Plan.

- Mobile Platforms will remain in existence for the foreseeable future, meaning that our application will not need to be extensive across multiple platforms.

- The City will ensure the existence of a technological infrastructure that can support the mobile technology and in turn out application.

- All project participants will abide by the guidelines identified within this plan.

- The Project Plan may change as new information and issues are revealed.

6. Dependencies

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

- Dependency on a database, will need a database program and ability to scale
- Dependency on number of recipes in our database
- Dependency on mobile platforms and mobile providers
- Project funding sources are limited

7. Risk Management

Potential Risk	Severity (H/M/L)	Likelihood (H/M/L)	Management Strategy
Project Size			
Person Hours	H: Over 250	**H**	Comprehensive project management approach, comprehensive work breakdown structure, comprehensive project vision and communications plan
Estimated Project Schedule	H: Over 7 months	**H**	Create comprehensive work breakdown structure with frequent reviews
Team Size at Peak	H: Over 3 members	**H**	Use robust version control systems, comprehensive communications plan, frequent meetings, extensive documentation
Project Definition			
Narrow knowledge level of users	M: knowledgeable of user area only	**M**	Using online resources will search user preferences, as well as user reviews on competitors applications
Project Scope Creep	L: scope generally defined, subject to revision	**L**	Scope initially defined in project plan and in initial team meeting, will be reviewed bi-monthly

Timeline Estimates Unrealistic	M: Timeline assumes no derailment	**M**	Timeline will be reviewed and scope definition may be changed accordingly
Number of Team Members Unknowledgeable of Mobile Applications Business	M: Team may not have extensive knowledge	**M**	Team members will use online resources to gain as much knowledge on the business as possible
Project Leadership			
Absence of commitment level/attitude of Team members	L: Understands value and supports project	**L**	Frequently seek feedback amongst team members to ensure continued support
Project Staffing			
Project Team availability	M: distributed team due to online necessity makes availability questionable	**M**	Continuous online communication threw email, messaging applications and version control systems to mitigate potential clashes in availability
Physical Location of Team prevents effective coordination	M: team is dispersed, working all online	**M**	Comprehensive communications plan, use of online messaging applications (slack) and robust version control systems
Project Team's shared work experience creates poor working relationship	L: team members have focused common objective	**L**	Comprehensive communications plan
Recipe Procurement			
Recipe procurement techniques and availability may be limited	M: due to lack of resources may be hard to have a high volume of recipes	**M**	Extensive use of online resources, potential utilization of team members cooking knowledge, potential utilization of friends/family cooking knowledge, use of users cooking knowledge, threw the upload feature

8. Communication

Reporting

The following reports will be produced;

Report	Audience	Frequency
Status Reports on tasks	Team Members	Monthly

Meetings

The following meetings/communication will be established;

Meeting	Purpose	Attendees	Frequency
Project Team Status Meeting	Each member can review the status reports for the previous two months and give their input on the direction the project is heading	Team Members	Bi-monthly
Task Status Meetings	Each member can give an update on how their tasks are coming along	Team Members	Bi-weekly

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	Design mobile interface landing page	2 days	
B	Create Classes for Users, Admins, Recipes and Ingredients	5 days	
C	Create Interface for Users	2 days	B
D	Create functionality to edit/delete User account	1 day	B
E	Create Database Schema for Users, Admins, Recipes and Ingredients	7 days	
F	Create Search functionality to display recipes based on ingredients that are given as input	4 days	C
G	Create Sorting functionality to sort recipes based on difficulty level, type of cuisine, dietary restrictions, cost	10 days	F
H	Create functionality for users to upload recipe to admin for approval to be inserted in database	6 days	D
I	Create functionality for a user to save a recipe that they like to their own collection	4 days	H
J	Create class for user saved recipes	1 day	H
K	Update database schema to include saved user recipes	2 days	J
L	Create functionality for users to edit, delete and add notes to their saved recipes	2 days	K
M	Create functionality to convert ingredients to	3 days	L

	preferred unit of measurement		
N	Create functionality to multiply recipe ingredients by number of people	3 days	L
O	Implement auto-screen lock functionality when viewing recipes	2 days	L
P	Implement functionality to include a kitchen timer for recipes	5 days	N
Q	Log expiry dates of ingredients for users	5 days	N
R	Create functionality to delete, edit, update and receive a reminder for ingredients that are expiring	4 days	N
S	Create log interface so user can see all necessary info	3 days	R
T	Update Database schema to include users logs	2 days	R
U	Create Inventory interface for users that stores all current ingredients in their home	1 day	R
V	Create functionality for admin to approve new recipe uploads from users	5 days	S
W	Create functionality for administrator to delete inappropriate user content	3 days	S
X	Create functionality for administrator to receive and send user messages	2 days	S
Y	Create functionality for admins to ban user accounts	2 days	S
Z	Create Administrator Interface	2 days	S

10. Gantt Chart

Create a detailed Gantt Chart from your Task Listing(Use any software tool and paste the image or upload as a separate file that can be opened as pdf/doc/xls)

See Gantt Chart File.

11. Milestones

Major Activity or Milestone	Estimated Milestone Target date	Owner/Reviewer Team Members
Initial Steering Committee Meeting	10/15/2020	Corradina Dinatale, Noah Huboux, Stefan Grujic, Nikola Vojinovic

12. RAM – Responsibility Assignment Matrix

Create a RAM from your Task Listing. A sample is shown below:
See RAM file.

13. Approval

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

Project Role	Name	Signature	Date
Front-end Developer	Corradina Dinatale	Corradina Dinatale	10/7/2020
Back-end Developer	Noah Huboux	Noah Huboux	10/7/2020
Front-end Developer	Stefan Grujic	Stefan Grujic	10/7/2020
Back-end Developer	Nikola Vojinovic	Nikola Vojinovic	10/7/2020