

Project Plan

Team No Stress

10/27/2021

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Project Title	STATUS
What The Food?	Not Started
Team Leader	In Progress
Matthew Quinn	Complete
	On Hold

Project Duration		
Start Date	End Date	in Days
01/14	05/13	120

Task ID	Business Item	Status	Programmer 1	Programmer 2	Supporting Member	Start Date	End Date	Duration in Days	Comments
Sprint 1 Begins (01/14- 01/27)									
1	Login Page	Not Started				01/14	01/27	14	
1.1	- Login Directory Page	Not Started	Matthew	Daniel	Tyler	01/14	01/17	4	Web page with slot for Username and Password. Create account button, and forgot password button.
1.2	- Create Account	Not Started	Matthew	Daniel	Tyler	01/18	01/21	4	Takes in a valid email, and a password. User will get a confirmation email to activate their account.
1.3	- Login	Not Started	Matthew	Daniel	Tyler	01/22	01/24	3	System validates email and password, if correct directs to main menu, otherwise displays incorrect login
1.4	- Account Recovery	Not Started	Matthew	Daniel	Tyler	01/25	01/27	3	Allows a password reset email to be sent to the associated email address
2	Main Menu	Not Started				01/20	01/27	8	
2.1	- visually pleasing main menu page containing application name	Not Started	Michelle	Luke	Hunter	01/14	01/20	7	Main menu that will serve as the home screen to our app. The menu should be simple yet informative
2.2	- Buttons that lead to each feature	Not Started	Michelle	Luke	Hunter	01/21	01/25	5	Buttons will be hooked up to their respective component when that module is delivered
2.3	- News Display	Not Started	Michelle	Luke	Hunter	01/26	01/27	2	News display will be added after the news functionality is complete. A placeholder will be left in the meantime
Sprint 1 End (01/27)									
Sprint 2 Start (01/28 - 02/10) 14 days									
3	Integrate Food information Database	Not Started				1/28/22	02/10/2022	14	
3.1	- Pull existing information from internet	Not Started	Matthew	Luke	Hunter	01/28	02/02/2022	6	Withdraw product related information from the Internet.
3.2	- Create ability to add new items easily through scanning them and taking a picture of the nutrition label	Not Started	Matthew	Luke	Hunter	02/03	02/10	8	This functionality will allow for items to be easily added into the database. This includes any new items that have been scanned that have not been registered in the database.
4	Integrate barcode scanner API	Not Started				01/28	02/10	14	
4.1	- Make connection to the Barcode lookup API	Not Started	Daniel	Michelle	Tyler	01/28	02/01	5	Establish a connection with Loopup which will aid with any network integration of the barcode scanner
4.2	- Send this information from barcode to the food information database	Not Started	Daniel	Michelle	Tyler	02/02	02/10	9	Be able to update the food database by being able to send whatever information has been obtained by the barcode scanner
Sprint 2 End (02/11)									

Retrospective 1									
Sprint 3 Start (02/12 - 02/25) 14 days									
5	Food information page	Not Started				02/12	02/25	14	
5.1	- Translate chemical ingredients to simple terms	Not Started	Matthew	Michelle	Tyler	02/12	02/25	14	Simplify chemical ingredients contained in a food product.Will need a dictionary of common chemical names and their translated simple version
5.2	- Display product name, Calories, ingredients, product image	Not Started	Daniel	Luke	Hunter	02/12	02/18	7	Display all necessary information accordingly and make it so that it can adjust with any changes made the personal Calorie Tracker
5.3	- Formatting into a pleasing manner	Not Started	Daniel	Luke	Hunter	02/19	02/25	7	Clean up the overall presentation of the Food Information to make it more user friendly
Sprint 3 End (2/25)									
Milestone 1									
Sprint 4 Begins (2/26 - 03/11)									
6	Scan food page	Not Started				02/26	03/11	14	
6.1	- Access Camera to scan barcode	Not Started	Matthew	Daniel	Hunter	02/26	02/28	3	Create access from application to user camera so that user can scan their item
6.2	- Send barcode info to database and return appropriate information	Not Started	Matthew	Daniel	Hunter	03/01	03/05	5	Be able send information of barcode so that the item information can be searched for by the database
6.3	- load food information page with newly acquired information	Not Started	Matthew	Daniel	Hunter	03/05	03/11	7	Successfully obtain the information regarding the product and present it to the user
7	Food flag page	Not Started				02/26	03/11	14	
7.1	- Menu for inputting flagged items	Not Started	Michelle	Luke	Tyler	02/26	03/02	5	Include a default list of the most common items people might want to flag
7.2	- Integrate into Food information to notify user if a flagged item is found	Not Started	Michelle	Luke	Tyler	03/03	03/11	9	Create a visible notification to create awareness for the user
Sprint 4 End (3/11)									
Retrospective 2									
Sprint 5 Begins (03/12 - 03/25)									
8	Food Alternatives Page	Not Started				03/12	03/25	14	
8.1	- Page layout for displaying similar items	Not Started	Michelle	Matthew	Hunter	03/12	03/15	4	Create a simple item that will display any similar items that have been found
8.2	- modified search criteria	Not Started	Michelle	Matthew	Hunter	03/16	03/18	3	Allow the user to select modified parameters such as lower calorie(15% lower)
8.3	- Algorithm to identify alternatives	Not Started	Michelle	Matthew	Hunter	03/19	03/25	7	Be able to find similar products to the one being compared with. Similarities will be based on nutritional contents.
9	Personal Cal Counter Page	Not Started				03/12	03/25	14	14 days
9.1	- page taking in needed information to calculate AMR	Not Started	Tyler	Daniel	Luke	03/12	03/16	5	Be able to accurately obtain any user input and calculate the proper results
9.2	- store AMR to account information	Not Started	Tyler	Daniel	Luke	03/17	03/21	5	Be able to take whatever calculation has been made and store it successfully into a database
9.3	- Integrate with food information to modify daily % values based on personal AMR	Not Started	Tyler	Daniel	Luke	03/22	03/25	4	Create compatibility with Food Information and make sure that any modifications made are adjusted accordingly
Sprint 5 Ends (03/25)									

Milestone 2 (Week 11)									
Sprint 6 Begins (04/02 - 04/15) <small>Gap between sprints due to spring break</small>									
10	History	Not Started				04/02/2022	04/15	14	14 days
10.1	- Scrollable page containing user History	Not Started	Matthew	Daniel	Hunter	04/02	04/05	4	Create a simple, scrollable user history
10.2	- Link to food information so a user can click on an item in their history	Not Started	Tyler	Luke	Michelle	04/06	04/12	7	Make sure compatibility between history and food information is established so that users can easily obtain information regarding any past products
10.3	-Update user history so that it tracks the last 10 items	Not Started	Matthew	Daniel	Hunter	04/13	04/15	3	Make sure all items stored in history are correctly ordered and properly stored
Sprint 6 Ends (04/16)									
Retrospective 3									
Sprint 7 Begins (04/16 - 05/01)									
11	Review Page	Not Started				4/16/2022	04/29/22	14	8 days
11.1	- Allow for users to leave reviews on the product they are looking at	Not Started	Hunter	Matthew	Tyler	04/16	04/20	5	Make sure user can quickly write a review about the product without restricting their opinions. Consider compatibility with profanity filter below as well.
11.2	- Allow users to read reviews from other customers	Not Started	Hunter	Matthew	Tyler	04/21	04/23	3	Users should be able to access other user opinions with ease so that they have a general idea regarding the feedback on a product.
11.3	- Profanity Filter	Not Started	Hunter	Matthew	Tyler	04/24	04/25	2	Make sure users cannot post anything unrelated, unsafe, unwarranted on the review page
11.4	- Aggregate average review score from internet to set a baseline	Not Started	Hunter	Matthew	Tyler	04/26	04/29	4	Make sure to sum all review left on a product and correctly display the average score that had been made. Make sure that the average is calculated correctly as well.
12	News Aggregation	Not Started				4/16/2022	04/29/22	14	8 days
12.1	- Python web scrape new headlines together related to health	Not Started	Daniel	Michelle	Luke	04/16	04/20	5	News should be relevant to not only the product but to the consumer as well. Nothing from a personal blog or something heavily opinionated.
12.2	- Apply headlines to the main menu	Not Started	Daniel	Michelle	Luke	04/21	04/24	4	Present news to the main menu so that user can quickly see a overview of current news
12.3	- Algorithm to make personalized news based on user information	Not Started	Daniel	Michelle	Luke	04/25	04/28	4	Make sure news is catered specifically towards that user so that information presented is useful
12.4	- Ability to opt out of personalized news	Not Started	Daniel	Michelle	Luke	04/29	04/29	1	Allow user to opt out if they simply do not seek this feature of the application
Sprint 7 Ends (04/29)									
Milestone 3									
Sprint 8 Begins (05/03 - 05/13)									
13	System wide testing	Not Started				04/30	05/13	14	
13.1	Retest all components with intent to find obscure ways to break the application	Not Started	Tyler	Luke	Daniel	04/30	05/06	7	All portions were tested during development via automated processes. Here you will attempt to abuse edge cases to crash our application or get it to exhibit unintended behavior
13.2	Fix any edge cases found during this last testing phase	Not Started	Tyler	Luke	Daniel	05/07	05/12	6	Any unintended behaviors found through manual exploitation will be patched here before moving into production

13.3	Attempt to hack application and patch any exploits	Not Started	Matthew	Michelle	Hunter	04/30	05/06	7	Use inside knowledge of how the system interacts to attempt to hijack user information such as passwords or any personal information
13.4	Fix any security vulnerabilities discovered at this time	Not Started	Matthew	Michelle	Hunter	05/07	05/12	6	If any possible methods are found, patch them and reattempt to break in. This repeats until the application is able to safely secure user information
14	Deploy	Not Started				05/13	05/13	1	
14.1	Release product to the public	Not Started	All team members will be present for launch party			05/13	05/13	1	Great job team!
Sprint 8 Ends (05/13)									
Milestone 4									

Risk ID	Risk Type	Risk Description	Impact(1-5)	Likelihood(%)	Risk Approach	Strategy
1	Project Development	Due to our group members taking other courses, some objectives within out SPRINT may not be completed as scheduled	5	100%	Avoidance	Our team will be utilizing Pair Programming. Due to the unpredictable nature of class schedules and work load variations having both members of a two person team free at the same times will be difficult. To maximize productive hours, 3 programmers will be assigned to tasks. While only two will ever work on the task together at any one time, having three increases the number of possible working hours.
2	Project Execution	Project may not function as intended due to numerous people working on different portions of the project	5	60%	Avoidance	We will set a firm coding standard which will be strictly followed. Furthermore, we will have frequent standup meetings to keep everyone on track with what assignment each individual is currently tasked with.
3	Access to Resource	Existing API (barcode) stops being supported or otherwise becomes unusable	3	25%	Mitigation	Find a supplementary API that has similar features to the one we were using before. Otherwise we will create our own barcode scanner which incorporates every feature we seek.
4	Access to Resource	Chrome browser Update causes compatibility issues	5	25%	Acceptance	Require users to use a supported version of chrome to use our web application
5	Project Execution	Lack of productivity amongst group members	4	5%	Mitigation	Use of scrum to uphold individual accountability and ensure steady workflow through the use of meetings and kanban boards.
6	Project Development	Project Manager lacks organization	3	10%	Mitigation	Replace Manager or scrum master with a different member
7	Project Execution	Inaccurate Estimation of Workload	4	80%	Mitigation	We will learn though each iteration how long it takes for us to complete a task and adjust accordingly by our next task.