Project Plan: Exogredient

Team A

Jason Nguyen (Team Leader) - 014232658
Eleazar Gomez - 012465490
David Nguyen - 015633187
Abe Malla - 016069649
Charles Kwak - 015368728
Hovhannes Babuchyan - 017228651

November 12, 2019

Scrum information

Team members:
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Meeting days: Scheduled meetings are every Monday and Wednesday from 11am - 12am. Discord meetings happen on Mondays and Wednesdays at 8pm, Tuesdays and Thursdays at 10pm. If needed, meetings take place at 10am Friday, Saturday, and Sunday on campus at CSULB.

Effort score: A measure of how time-consuming a feature is to implement, 1 being fast and 5 being very time consuming.
Priority score: A measure of how important a feature is. 1 being low priority and 5 being high priority.

Throughout means it has no particular deadline we do it throughout the project.

Features Backlog

* note features with ":" have subcomponents.

Features	Priority	Complexity	Points/Hours
Backlog for first idea	1	Low	8
MVP for first idea	2	Low	4
RFP exogredient	3	Low	16
RFP v1.1	4	Mid	32
RFP v1.2	5	High	32
Milestone 1 Documentation	6	High	128
Analyzing Core Requirements	7	Low	4
Revise BRD	8	Mid	32
Revice Tech Spec	9	Mid	64
Revise Project Roadmap	10	Mid	2
Revise Project Plan	11	Mid	8
Revise Design Document	12	Mid	8
Revise Site Map	13	Mid	4
Network Diagram	14	Low	4
System Design - Abstraction Levels	15	Mid	16
Error Handling Diagrams (Core Features)	16	High	32
Error Handling Diagrams (App Specific)	17	High	32
Data Store Access Diagrams	18	High	16
Logging Diagrams	19	High	16
Archiving Diagrams (Flat File)	20	High	16
Authentication Diagrams	21	High	16

Authorization Diagrams	22	High	16
Error Handling Code	23	High	64
Logging Code	24	Low	32
Authentication Code	25	Mid	64
Authorization Code	26	Low	64
Flat File Archiving Code	27	Low	16
Data Store Code	28	High	64
Data Store Archiving Code	29	High	64
Registration Code	30	High	128
Login / Logout Code	31	Mid	64
Reset Password Code	32	Low	32
Admin Usage Analysis Dashboard	33	Mid	64
Display Admin Manage Account View: Delete Registered Account	34	Low	32
Admin Delete Upload	35	Low	32
Upload: Create Upload, Save Progress Of An Upload, Delete Progress Of An Upload, Continue Progress Of An Upload, Delete Own Upload	36	High	256
Search For An Ingredient: Conduct Search, Display Ingredient Search Results View, Display Ingredient View	37	High	256
Search For Store: Conduct Search, Display Store Search Results View, Display Store View	38	Mid	64
Display Profile View	39	Mid	32
Claim Store: Initiate Claim, Satisfy Claim	40	Low	32
Display Manage Store View: Flag / Unflag An Ingredient, Advertisement, Submit Description of Ingredient, Unclaim Store	41	Mid	32

Upvote / Downvote An Upload	42	Low	16
Report An Upload	43	Low	8
Verify An Upload	44	Low	16
Ingredient Save List: Add To Save List, Delete From Save List, View Item From Save List	45	Low	32
Comment On An Upload	46	Mid	32
Upvote / Downvote Store Owner's Description	47	Low	16
UI/UX	48	Mid	256
Testing Features	49	High	256
Retesting Features	50	Mid	128
Deployment	51	Mid	32

Total Estimated Hours	2690 Hours

Risk Assessment:

Capacity per member: 66 hours per sprint

Issues	Planned solution
Team loses up to 66 hours of capacity for a sprint.	Each remaining member splits the unaccounted for work by working 0.6 hours overtime each day.
Team loses more than 66 hours of capacity for a sprint.	Immediate team meeting to decide on what features have to be dropped this sprint / project.
Team loses up to 66 hours of capacity for all upcoming sprints (losing a team member).	Immediate team meeting to discuss possible small feature deletion changes to the project.
Team loses more than 66 hours of capacity for all upcoming sprints (loses multiple team members).	Immediate team meeting to discuss possible medium to large feature deletion changes to the project.

Client changes requirements, resulting in Scope Creep of up to 128 estimated hours.	If change requires immediate attention current sprint is adjusted. Otherwise the scope creep will be implemented in the next sprint retrospective.
Client changes requirements, resulting in Scope Creep of more than 128 estimated hours.	Immediate team meeting to discuss possible feature deletion changes to the project. If change requires immediate attention current sprint is adjusted. Otherwise the scope creep will be implemented in the next sprint retrospective.

Resources

Development cost for this project is estimated maximum of 0 U.S dollars.

Sprints

Total Time Estimation for project: 2690 hours
Sprint Duration: 3 weeks
Number Of Sprints: 11 sprints
Sprint Capacity: 396 hours (3 hours per day, 6 member team, 22 days)

Sprint 1
Estimated Velocity: 60 hours
Start: September 4, 2019
End: September 24, 2019
Features Planned:
- Backlog for first idea
- MVP for first idea
- RFP exogredient
- RFP v1.1

Sprint Retrospective 1: September 25, 2019

Sprint 2
Estimated Velocity: 160 hours
Start: September 26, 2019

End: October 17, 2019
Features Planned:
- RFP v1.2
- Milestone 1 Documentation

Sprint Retrospective 2: October 18, 2019

Sprint 3
Estimated Velocity: 286 hours
Start: October 19, 2019
End: November 9, 2019
Features Planned:
- Analyzing Core Requirements
- Revise BRD
- Revice Tech Spec
- Revise Project Roadmap
- Revise Project Plan
- Revise Design Document
- Revise Site Map
- Network Diagram
- System Design - Abstraction Levels
- Error Handling Diagrams (Core Features)
- Error Handling Diagrams (App Specific)
- Data Store Access Diagrams
- Logging Diagrams
- Archiving Diagrams (Flat File)
- Archiving Diagrams (Data Store)
- Authentication Diagrams
- Authorization Diagrams

Sprint Retrospective 3: November 10, 2019

Sprint 4
Estimated Velocity: 368 hours
Start: November 11, 2019
End: December 2, 2019
Features Planned:
- Error Handling Code Review
- Logging Code Review
- Authentication Code Review

- Authorization Code Review
- Flat File Archiving Code Review
- Data Store Code Review
- Data Store Archiving Code Review

Sprint Retrospective 4: December 3, 2019

Sprint 5
Estimated Velocity: 352 hours
Start: December 4, 2019
End: December 25, 2019
Features Planned:
- Registration Code
- Login / Logout Code
- Reset Password Code
- Admin Usage Analysis Dashboard
- Display Admin Manage Account View: Delete Registered Account
- Admin Delete Upload

Sprint Retrospective 5: December 26, 2019

Sprint 6
Estimated Velocity: 256 hours
Start: December 27, 2019
End: January 17, 2020
Features Planned:
- Upload
  - Create Upload
  - Save Progress Of An Upload
  - Delete Progress Of An Upload
  - Continue Progress Of An Upload
  - Delete Own Upload

Sprint Retrospective 6: January 18, 2020

Sprint 7
Estimated Velocity: 320
Start: January 19, 2020
End: February 9, 2020
Features Planned:
- Search For An Ingredient

- - ○ Conduct Search
    - ○ Display Ingredient Search Results View
    - ○ Display Ingredient View
  - Search For Store
    - ○ Conduct Search
    - ○ Display Store Search Results View
    - ○ Display Store View

Sprint Retrospective 7: February 10, 2020

Sprint 8
Estimated Velocity: 216 hours
Start: February 11, 2020
End: March 3, 2020
Features Planned:
- Display Profile View
- Claim Store
  - ○ Initiate Claim
  - ○ Satisfy Claim
- Display Manage Store View
  - ○ Flag / Unflag An Ingredient
  - ○ Advertisement, Submit Description of Ingredient
  - ○ Unclaim Store
- Upvote / Downvote An Upload
- Report An Upload
- Verify An Upload
- Ingredient Save List:
  - ○ Add To Save List
  - ○ Delete From Save List
  - ○ View Item From Save List
- Comment On An Upload
- Upvote / Downvote Store Owner's Description

Sprint Retrospective 8: March 4, 2020

Sprint 9
Estimated Velocity: 256 hours
Start: March 5, 2020
End: March 26, 2020
Features Planned:
- UI/UX

Sprint Retrospective 9: March 27, 2020

Sprint 10
Estimated Velocity: 256 hours
Start: March 28, 2020
End: April 18, 2020
Features Planned:
- Testing Features
- Client Demo

Sprint Retrospective 10: April 19, 2020

Sprint 11
Estimated Velocity: 160 hours
Start: April 20, 2020
End: May 8, 2020
Features Planned:
- Retesting Features
- Deployment

Sprint Retrospective 11: May 9, 2020