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:

Jason Nguyen (Team Leader) - 014232658

Eleazar Gomez - 012465490

David Nguyen - 015633187

Abe Malla - 016069649

Charles Kwak - 015368728

Hovhannes Babuchyan - 017228651

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