



Sprint 1 Materials

Nutritist



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Retrospective Summary

During this sprint, by the first meeting, we were able to complete some of the more rudimentary tasks, such as setting up a github repository, briefly going over what tools/technologies we wanted to use during this project, and digging into a bit of research regarding the APIs we plan to use. We also set up a Postgresql server to store data in the database. At this point, both as a complete group and later again, solely the front-end team in more depth, we discussed necessary features of the main pages, which were also decided upon based on the wireframes from the proposal stage. Though not complete by the second meeting, by the third we were able to find and modify a template to our needs for a nutrition tracking website, in accordance with our product and sprint backlogs. We did have a challenge of deploying the repository on heroku. Although the website was able to be locally hosted, it would not open on heroku, since we are using flask to construct the website. We found, collectively, both front and back end efforts combined, that using Heroku Git was a solution for deploying future changes using Heroku CLI. On the other hand, the database setup went smoothly. Challenges we will face going forward for the rest of this project include difficulty setting up a blog hosting instance. It seems as though this is not a feasible option to implement alongside heroku and therefore we will have to pivot from our original idea, and likely as our backup option, create another database that we call relevant posts for each user from, based on their restrictions, preferences and search queries.



GitHub Release Link

<https://github.com/dexterwwhite/Nutritist>

Product Backlog (Eli)

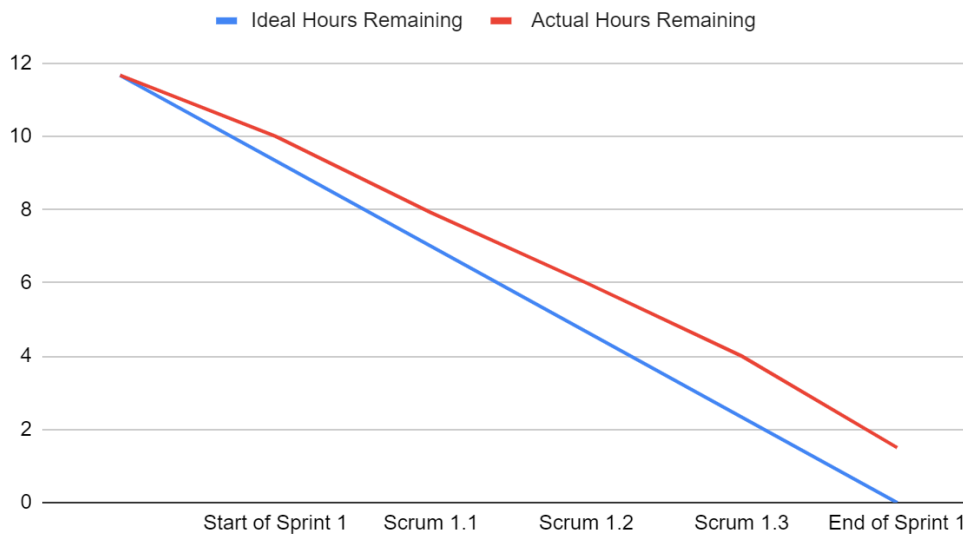
Product Backlog						
Task to Do	Dependencies	Priority	Sprint	Status	Estimated Effort (in minutes)	Comments/Options/features
Github						
set up github		Must	backbone	Done	5	
add collaborators to github	first do A4	Must	backbone	Done	5	
Research						
research products that fulfill problem statement		Need	backbone	Done	30	
research for accurate nutrition apis	first do A7	Need	backbone	Done	30	
research autocomplete/search apis	first do A8	Need	backbone	Done	30	
research api costs, execution times	first do A9	Need	backbone	Done	30	
research if api scheduler is useful for our purposes	first do A10	Need	backbone	Done	30	
research forum hosting service	first do A7	Need	backbone	Done	30	
Web Application (Front End)						
General / Prototyping / High Level discussion						
create meeting schedule		Need	backbone	Done	30	Nodejs vs PHP vs Python; MEAN, etc. to be discussed
discuss tech stack		Need	backbone	Done	30	Nodejs vs PHP vs Python; MEAN, etc. to be discussed
gather knowledge about tech stack	first do A16	Need	backbone	Done	30	
experiment with http server setup	first do A17	Need	backbone	Done	30	
experiment with API communication	first do A17	Need	backbone	To be Started	30	
create wireframe of login page	first do A16	Need	analysis	To be Started	30	
create wireframe of surveys	first do A16	Need	analysis	To be Started	30	
create wireframe of set up page	first do A16	Need	analysis	To be Started	30	
create wireframe of tracking page	first do A16	Need	analysis	To be Started	30	
learn how to create self updating charts	first do A16	Need	analysis	To be Started	30	
create wireframe of analysis page	first do A24	Need	analysis	To be Started	30	
create wireframe of recommendations page	first do A16	Need	analysis	To be Started	30	
create wireframe of community page	first do A16	Need	community	To be Started	30	
create working prototype of pages with clicks	first do A20-A27	Need	backbone	Done	30	
create prototype showing working api calls	first do A28	Need	backbone	To be Started	30	
create prototype showing working server	first do A28	Need	backbone	Done	30	
Home Page						
discuss implementation on home page features	first do A28	Need	backbone	Done	30	scroll onto different panes, each summarizes a section
create navigation bar	first do A32	Need	backbone	Done	30	education on left side, analysis & tips on right side
create footer bar	first do A32	Need	backbone	Done	30	
create search bar	first do A32	Need	backbone	Done	30	percent satisfied for each nutrition type
create login page	first do A32	Need	analysis	To be started	30	
create survey pages: dropdown selects, weight & height input	first do A32, A75	Need	analysis	To be started	30	
create editable profile "popup" page	first do A32	Need	analysis	To be started	30	
create breakfast, lunch, dinner left column input	first do A33-A38	Need	analysis	To be started	30	

This is a snapshot of what the product backlog looks like, you can see the full list of tasks [here](#).

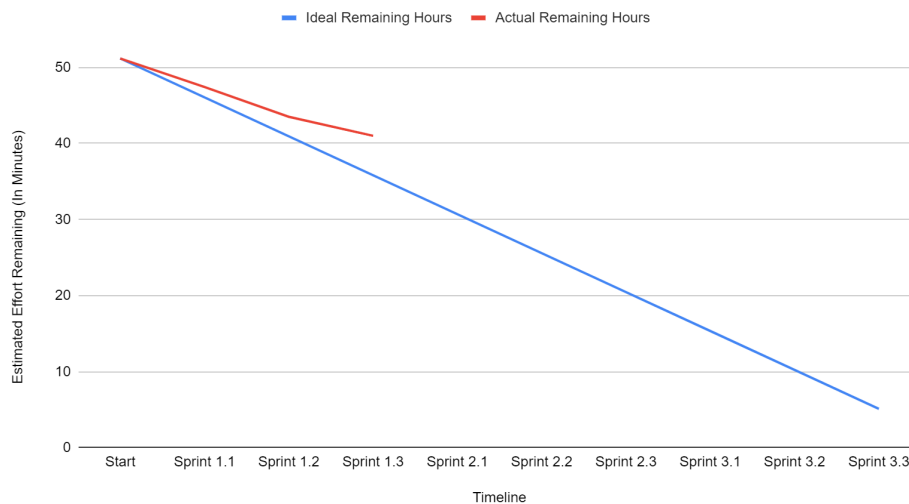


Burn-down Charts (Eli)

Sprint 1 Burndown Chart



Product Burn-Down Chart





Next Sprint's SCRUM Meeting Schedule

Meeting 1: Wednesday, November 10th, 2021 directly after our Lab session from 8:00-8:50. The goal of this meeting would be to have a much better understanding of working with our chosen APIs and to have a fully functioning application on Heroku.

Meeting 2: Saturday, November 13th, 2021 at 12:00 pm. The goal of this meeting would be to have made considerable progress on our sprint backlog for this week and to plan out the completion of the remaining items for the sprint.

Meeting 3: Sunday, November 14th, 2021 at 12:00 pm. The goal of this meeting would be to have finished the remaining work for the sprint and take a retrospective look at everything that went well and went poorly for this sprint.

Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 1 for Nutritist

Prepared by: **Elieser Gonzalez Serratos**

Meeting Date: **11/4/2021 4:00 PM CT**

Meeting Attendees

1. Elieser Gonzalez Serratos
2. Rong Xu (Abby)
3. Naixin Zong
4. Santoshni Birlangi

Meeting Agenda Items

- What did you do yesterday? (Status Update Since Last Meeting)
- What are you doing today? (Before the Next Meeting) [GOALS]
- What problems are you having?
- Minutes from previous meeting [Justification for tasks]



Status Update Since Last Meeting

Accomplishments:

- Since this is the first meeting, we don't have a status update since the last meeting, but we have some accomplishments since we first started the project. The proposal, which includes the problem statement, identified target users and personas, the initial product backlog, burn down chart, and the first sprint tasks to do. We were able to complete a few tasks before the first meeting such as setting up the github, discussing which technologies we were going to use for this project, and did some research regarding the APIs we plan on using. We also set up a Postgresql server to store data in the database.

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
set up github	Elieser	yes
add collaborators to github	Elieser	yes
research products that fulfill problem statement	Santoshni	yes
research for accurate nutrition apis	Santoshni	yes
research autocomplete/search apis	Abby	no
research api costs, execution times	Abby	no
research if api scheduler is useful for our purposes	Dexter	no
research forum hosting service	Dexter	no
create meeting schedule	Santoshni/Dexter	yes
discuss tech stack	Santoshni/Dexter	yes
gather knowledge about tech stack	Dexter	yes
experiment with http server setup	Dexter	yes
experiment with API communication	Jonathan	no
create working prototype of pages with clicks	Santoshni	no
create prototype showing working api calls	Jonathan	no
create prototype showing working server	Dexter	no



create navigation bar	Dexter	no
create footer bar	Santoshni	no
create search bar	Santoshni/Dexter	no
discuss implementation on home page features	Santoshni/Dexter	yes
explore features & prebuilt solutions	Jonathan	no
setup cloud computing instance	Abby	no
setup SQL database instance	Abby	yes
setup blog hosting instance	Jonathan	no
account management database	Elieser	no

Before The Next Meeting

Plans:

- Before the next meeting, we should have a working home page with some features, like a navigation bar, a footer bar, and a search bar.
- Front-end: have a working template with other html that you can click on.
- Do more research about API scheduler and purposes
- Finish the deployment and try to connect the API

Task Assignments:

Task Description	Assigned to
research api costs, execution times	Abby
research if api scheduler is useful for our purposes	Elieser
research forum hosting service	Dexter
create navigation bar	Dexter
create footer bar	Santoshni
create search bar	Santoshni/Dexter
discuss implementation on home page features	Santoshni/Dexter
explore features & prebuilt solutions	Jonathan
create working prototype of pages with clicks	Santoshni



Challenges

Cloud instance setting up: deploy the repo on heroku with gunicorn. So far since we are using the flask framework to build our webapp, the website templates could be opened on local but not working on heroku.

Minutes from Previous Meeting

[No previous meeting]



TEXAS A&M UNIVERSITY

Department of Computer
Science & Engineering

CSCE 315: Programming Studio
Project 3 - API Mash-Up



Appendix 2: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 2for Nutritist

Prepared by: **Elieser Gonzalez Serratos**

Meeting Date: **11/6/2021 12:00 PM CT**

Meeting Attendees

5. Santoshni Birlangi
6. Elieser Gonzalez Serratos
7. Dexter White
8. Rong Xu (Abby)
9. Naixin Zong

Meeting Agenda Items

- What did you do yesterday?
- What are you doing today?
- What problems are you having?
- Minutesfrom last Meeting

Status Update Since Last Meeting

Accomplishments:

- Abby worked with setting up the database and deploying the app with Unicorn. This is a challenge we had since last meeting because the changes made to our master GitHub didn't reflect the website. Using Heroku Git itself is the best way to get to deploy any next changes using Heroku CLI
- The Front-end development team was able to get work on discussing features for the home page and we were able to find a template that can be used to assist in the development of the website's layout that can help in the development process.

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
set up github	Elieser	yes
add collaborators to github	Elieser	yes
research products that fulfill problem statement	Santoshni	yes



research for accurate nutrition apis	Santoshni	yes
research autocomplete/search apis	Abby	yes
research api costs, execution times	Abby	yes
research if api scheduler is useful for our purposes	Dexter	yes
research forum hosting service	Dexter	yes
create meeting schedule	Santoshni/Dexter	yes
discuss tech stack	Santoshni/Dexter	yes
gather knowledge about tech stack	Dexter	yes
experiment with http server setup	Dexter	yes
experiment with API communication	Jonathan	no
create working prototype of pages with clicks	Santoshni	no
create prototype showing working api calls	Jonathan	no
create prototype showing working server	Dexter	no
create navigation bar	Dexter	no
create footer bar	Santoshni	no
create search bar	Santoshni/Dexter	no
discuss implementation on home page features	Santoshni/Dexter	yes
explore features & prebuilt solutions	Jonathan	no
setup cloud computing instance	Abby	yes
setup SQL database instance	Abby	yes
setup blog hosting instance	Jonathan	no
account management database	Elieser	no

Before The Next Meeting

Plans:

- Back-end: have the data set ready and experiment with API communication to the website



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- Front-end: have a working template with other html that you can click on.

Challenges

- Not everything was able to be completed, processes such as creating a working template such as one we talked about in the previous meeting was not able to be completed because of other time commitments
- Learning how to use Flask has been a challenge that is something we are working on because deployment is an issue we are learning.

Task Assignments:

Task Description	Assigned to
experiment with API communication	Jonathan
create working prototype of pages with clicks	Santoshni
create prototype showing working api calls	Jonathan
create prototype showing working server	Dexter
create navigation bar	Dexter
create footer bar	Santoshni
create search bar	Santoshni/Dexter
explore features & prebuilt solutions	Jonathan
setup cloud computing instance	Abby
setup blog hosting instance	Jonathan
account management database	Elieser

Minutes from Previous Meeting [Justification for tasks]

The last meeting, we discussed what we did before, what we were going to do that day and the days until we meet for the next time, and what challenges we had. Since that was our first meeting, we discussed getting started and doing research about the API. All of the meeting goals and tasks to do were mostly completed, with the exception of creating a prototype for a working home page for the front end of the project. This is also explained in the challenges section of the meeting but we had issues with Flask and deploying the changes to the website



Appendix 3: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 3 Nutritist

Prepared by: **Elieser Gonzalez Serratos**

Meeting Date: **11/7/2021 12:00 PM CT**

Meeting Attendees

10. Santoshni Birlangi
11. Elieser Gonzalez Serratos
12. Dexter White
13. Rong Xu (Abby)
14. Naixin Zong

Meeting Agenda Items

- What did you do yesterday?
- What are you doing today?
- What problems are you having?

Status Update Since Last Meeting

Accomplishments:

- A working prototype for the home page was able to be created and to be pushed onto both Heroku and Github, meaning a working navigation bar, a footer, and a search bar are now working but only the home page has the template with it.
- The Back-end development team was able to hep debug Flask to

Tasks Completed:

Task Description	Assigned to	Completed? (yes/no)
set up github	Elieser	yes
add collaborators to github	Elieser	yes



research products that fulfill problem statement	Santoshni	yes
research for accurate nutrition apis	Santoshni	yes
research autocomplete/search apis	Abby	yes
research api costs, execution times	Abby	yes
research if api scheduler is useful for our purposes	Dexter	yes
research forum hosting service	Dexter	yes
create meeting schedule	Santoshni/Dexter	yes
discuss tech stack	Santoshni/Dexter	yes
gather knowledge about tech stack	Dexter	yes
experiment with http server setup	Dexter	yes
experiment with API communication	Jonathan	no
create working prototype of pages with clicks	Santoshni	yes
create prototype showing working api calls	Jonathan	no
create prototype showing working server	Dexter	yes
create navigation bar	Dexter	yes
create footer bar	Santoshni	yes
create search bar	Santoshni/Dexter	yes
discuss implementation on home page features	Santoshni/Dexter	yes
explore features & prebuilt solutions	Jonathan	yes
setup cloud computing instance	Abby	yes
setup SQL database instance	Abby	yes
setup blog hosting instance	Jonathan	yes
account management database	Elieser	yes



Before The Next Meeting

Plans:

- Back-end: we need to experiment APIs and have a working prototype where you can retrieve data from one of the APIs.
- Front-end: continue working on the template for the entire website, and have a consistent navigation across all pages

Challenges

- Deploying the CSS of the template onto Heroku. Moved the CSS and Javascript into a static folder, which has to do with how Flask manages the website's style.
- Working with the API is something we are all new to so learning how to work them and how to apply for keys is a process that we are starting to talk but slowly making progress.

Task Assignments:

Task Description	Assigned to
experiment with API communication	Jonathan
create prototype showing working api calls (Postman)	Jonathan

Minutes from Previous Meeting

In the previous meeting, we discussed the findings we had made in regards to deploying our app properly on Heroku using Flask. We also discussed the potential template we had found for the front-end of our app and how we planned on implementing it. Finally, we came up with a plan for finishing the remaining items from our sprint backlog in order to keep on pace for this sprint. As for the goals since last meeting, almost all of the tasks of Sprint 1 were completed on time, with the expectation of having a prototype for the APIs, everything else was completed. Working with APIs has been taking a while because we have been needing to receive the API keys in order to fully be able to do HTTP requests.