

Nebula Net Interactive Feed

Team Meeting Notes

Meeting Team: Jacob Burke, Isabella Cortez, Freddy Lopez, Daniel Willard, Simon Zhao

26FEB2024 v0.7

Overview: This document achieves all the team notes and meanings during the development of Nebula Net Interactive Feed (NNIF, NebulaNet). Meetings are held in one of two physical locations: Allan Price Science Commons and Research Library (APSCR) and Knight Library (Knight). The last way to meet is an online social platform called Discord. Notes will be self-reported by individual team members.

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1. Week 0 Meetings Notes (11FEB2024 - 17FEB2024)

1.1. Thursday 15FEB2024 1200 - 1400 APSCR Library

1.1.1. Meeting Opening

Thursday meeting agenda 1200 -1400

SRS review

SDS modules diagrams /delineation.

Tasks needing completion:

Simon: please have SRS as close to complete.m

possible. And tech stack needed for integration and database.

Willard: layout and framework SDS Google doc so everyone can add their diagrams.

Jacob: please reach out to the professor about hosting methods allowed for this project. And book the room for Thursday.

Freddy: Front-end tech stack ideas

Bella: UI layout ideas and general design/ who to interview?

I will be up coding the rest of the night if anyone has any questions or needs anything from me.

I look forward to completing this project with you all. Have a good evening.

1.1.2. During Meeting

Thursday meeting in meeting notes 1200 -1400

SDS open via link:

<https://docs.google.com/document/d/17G-lmCUfhYO-41eMbKSHNwm1zXpUABbZcaZWup3nnAA/edit?usp=sharing>

SRS doc @Simon please upload your draft here:

https://docs.google.com/document/d/1jpfEwRuIFK5dZdNmJL_yMM5WEoHUi2cRLfEYb2gAwL0/edit?usp=sharing

Programmer Documentation:

https://docs.google.com/document/d/1Rt5yUJ86Yxn0WE9t23_r3lnZQmVai3szHD08jE6iCm8/edit?usp=sharing

Meeting Notes if you take any just vomit them here or send me your files:

<https://docs.google.com/document/d/1WHlm6J-oj5CZqN-Gf6bo8rHxuPOT73FrEDicUyPoS1A/edit?usp=sharing>

For diagrams please use (save this as a gif to the repo in the documents folder):

<https://www.drawio.com/>

<https://www.smartdraw.com/uml-diagram/uml-diagram-tool.htm>

SDS Sections for each member to fill out:

Interface to other modules

Static model

Dynamic model

Design rationale

2.4.1.2-5

Programmer Doc Setup:

- 1) Make your file header a depictive paragraph of how it works.
 - 2) Use your function doc strings to go in-depth further
 - 3) Use doc sting online that is complicated to understand in function
- *don't make extra work for yourself on this doc copy-paste. (edited)

1.1.3. **Meeting Closure:**

- Thursday Meeting Closure:
- Week Plan on:
- 0: Rough draft documentation
- 1: Prototype website and connections
- 2: Integrations/interviews
- 3: Finalization of docs and testing
- 4: Final Presentation
- weekend on Saturday
- meeting on Sunday to recap
- webpage layout
- general structure
- start date of photo collection: 12JUL2022
- requests on page refresh
- Libraries used:
- MAST API
- React
- Calendar
- Website user interactions through clicks.

2. Week 1 Meetings Notes (18FEB2024 - 24FEB2024)

2.1. Sunday 18FEB2024 1200 - 1400 Discord

2.1.1. No Meeting

2.2. Monday 19FEB2024 1530 - 1730 Knight

2.2.1. **Meeting Opening**

Monday meeting notes

Knight Library 1530-1730 room 319 (same room for Tuesday and Wednesday)

Agenda:

Review submission for Monday at 2000.

Discuss project plans and changes in direction.

Lay out framework.

Reassign duties and tasks.

Start project.

Discuss interviews and who can do them. (I currently need to variety with two others and have one confirmed.)

Note for me. Complete layout and rough drafts of SRS and SDS for editing as people start coding.

Let me know if I missed anything.

2.2.2. **During Meeting**

Meeting data Important link

Data for web scrapper:

<https://www.stsci.edu/jwst/science-execution/observing-schedules>

mast database for integration;

<https://mast.stsci.edu/portal/Mashup/Clients/Mast/Portal.html>

- Web scrape mission and display the current image of that day.
- Query into the MAST database using MAST API to fetch images from a specific day based on observations.
- Find a way to match observation data with complete images from NASA.
- How Simon's module works:
 - Get web scraped info, check if a file has been pulled from the photos directory, then call MAST API, take the .fits file, and convert it into PNG. Then rename and save it into the photos directory.

2.2.3. **Meeting Closing**

- Closing Meeting Notes for Monday 19FEB2024
- found using links for data
- decided a webs scrapper is needed
- reassign module duties
- General architecture redesigned
- Data validation can be found in resources
- information links:
- Data for web scrapper:
- <https://www.stsci.edu/jwst/science-execution/observing-schedules>
- mast database for integration;
- <https://mast.stsci.edu/portal/Mashup/Clients/Mast/Portal.html>

2.3. **Tuesday 20FEB2024 1530 - 1730 Knight**

2.3.1. **Meeting Opening**

Meeting Agenda Tuesday 20FEB2024 Knight Library 319 1530-1730

1) Name Modules

1. a) Ensure diagrams and decided

2) Confirm Work assignments

3) discuss Wednesday's meeting (is it needed)

4) stinking points?

5) Team bounding over midterm discussion

6) team discussion

gif of the day above

2.3.2. **During Meeting**

NONE

2.3.3. **Meeting Closing:**

- Tuesday's meeting wrap-up:
- No meeting Wednesday
- meeting Thursday PLC 1200 3 members might be late due to finals
- Meeting Notes:
- task assignments and caught up
- SATURDAY PLEASE have your SDS notes and diagrams up.
- see you Thursday

2.4. **Wednesday 21FEB2024 1530 - 1730 Knight**

2.4.1. NONE

2.5. **Thursday 22FEB2024 1200 -1400 APSCR Library**

2.5.1. **Meeting Opening**

- Thursdays 22FEB2024 meeting 1200 -1400 plc b021
- Agenda:
- Team building
- go over assigned tasks
- finish docs for turn-in.

2.5.2. **During Meeting**

2.5.3. **Meeting Closing**

- Thursday's meeting wraps up.
- Easy meeting prep for inigation week.

3. **Week 2 Meetings Notes (25FEB2024 - 02MAR2024)**

3.1. **Sunday 25FEB2024 1200 - 1400 Discord**

3.1.1. **Meeting Opening**

- Meeting tomorrow 1200 25FEB2024
- Agenda:
- Review documentation for submission
- Clear up requirements wanted
- Review naming and Module back down
- Confirm all are ready for integration

3.1.2. **During Meeting**

NONE

3.1.3. **Meeting Closing:**

- @everyone
- meeting closeout:
- @wraithw0lf Still need Hosting and AWS architecture filled out as well as your static model before submission of SDS
- @b3lla_c0rtez Updated Web scrapper for future development use,
- Please post your notes for any interviews you have completed

- @tastyoranges Please add your meeting notes to <https://docs.google.com/document/d/1WHIm6J-oj5CZqN-Gf6bo8rHxuPOT73FrEDicUyPoS1A/edit> (if you have any)
- @brainfrydd please have if possible react home page up for the meeting tomorrow
- @everyone Update programmer document as able (copy and past your doc strings) so we are not rushing this at the end (edited)

3.2. Monday 26FEB2024 1530 - 1730 Knight

3.2.1. Meeting Opening

- Meeting Agenda:
- Webpage layouts
- Integrations
- Data query clarifications
- Help Willard with a git issue in the branch
- Meeting notes 26FEB2024:
- @Willard makes QR codes for presentations
- @Willard the most recent public photo
- @Simmon last year or the last 6 months one for each mission processed, and the newest unlocked photos
- @Willard finished SDS architecture sections and SRS completely
- @Bella Complete SQL file database of mission (keep the JSON file and then parse it into the SQL database)
- design change due to data-locked

3.2.2. During Meeting

- NONE

3.2.3. Meeting Closing

- @everyone
- meeting closeout:
- @Jason Still need Hosting and AWS architecture filled out as well as your static model before submission of SDS
- @Bella Updated Web scrapper for future development use,
- Please post your notes for any interviews you have completed
- @Simmon Please add your meeting notes to <https://docs.google.com/document/d/1WHIm6J-oj5CZqN-Gf6bo8rHxuPOT73FrEDicUyPoS1A/edit> (if you have any)
- @brainfrydd please have if possible react home page up for the meeting tomorrow
- @everyone Update the programmer document as able (copy and past your doc strings) so we are not rushing this at the end (edited)

3.3. Tuesday 27FEB2024 1530 - 1730 Knight

3.3.1. Meeting Opening

- none

3.3.2. During Meeting

- Nonfunctional requirements:
 - SQL update within 24 hours.
 - file conversion should take 1 hour to complete
 - the photo directory should not exceed at this time 10 gigabytes
 - The website should be able to run in static mode.
 - needs to be able to run on a Linux instance and ix dev.
 - Accreditation of photos
 - any libraries must be approved by the professor
 - AWS services must remain under 50\$
 - Functional:
 - unit tests to run before the program is run to validate that the system is working
 - the most recent photo should be accessible first (released to public)
 - corresponding data should be with the photos
 - mast API should run weekly to check for new photos
 - the conversion
 - email about new libraries needed:
 - react-bootstrap for an image gallery carousel component
 - numpie for image light conversion
 - nose for testing
- 3.3.3. Meeting Closing
- cover requirements
 - go over hiccup with JSON files on the web
 - finalized module structure and SDS and srs for submission.

3.4. Wednesday 28FEB2024 1530 - 1730 Knight

- 3.4.1. Canceled
- @everyone The space is booked for those who wish to use it but I am going to call off the meeting since 2 of the 5 of us are not able to attend. I am doing this to not waste people's time and to allow for @Simmon and @brainfrydd to have more time for homework in other classes. I will be on though out today. please message me if you need anything. Since the coupling is so loose on this project let us that to our advantage.
 - only notes:
 - @Bella Bella got the web scrapper up. Did you get the SQL file to populate and is that working for Simon?
 - @Simmon is there anything else you need other than the SQL database?
 - @brainfrydd Keep up the good work on the front end let us know if you need help or anything.
 - is ix-dev working for you?
 - @Jason Is there anything you need for the test suite or hosting? Have we done any playing around with ur code in ix-dev?
 - The goal is to have the first photos populated on the website by Saturday so Jacob sorry Jason can start testing.

- Sorry for the late notice all enjoy your Wednesday. (edited)
- Jump

3.5. Thursday 29FEB2024 1200 -1400 APSCR Library

3.5.1. Canceled

4. Week 3 Meetings Notes (03MAR2024 - 09MAR2024)

4.1. Sunday 03MAR2024 1200 - 1400 Discord

- #### 4.1.1. During Meeting
- Status Report
 - Group check-in

4.2. Monday 04MAR2024 1530 - 1730 Knight

4.2.1. Meeting Opening

- none

4.2.2. During Meeting

- Ok @everyone meetings update.
- Due to it being week 9 Knight Library is booked out.
- So Tuesday's meeting will be a stand-up after class and if you can make it 1200 to 1400 in plc.
- Wednesday will be a discord meet up at 1530-1730 if needed. Most likely a 30-60 min check-in.
- Thursday is the usual meeting time 1200 -1400 plc.
- Sunday meet up normal time for final wrap up and doc review before turn in.
- Message me if you need anything this week.
- @brainfrydd get better soon. Just jump on Discord like yesterday as you can. The priority for you is to recover so you can present your designs. Just get what you need to done and rest.
- @Bella please message Freddy the UI design ideas by the end of the day tomorrow.
- @Simmon keep being a coding God.
- @Jason priority ix dev up and aws is presentable. Thank you for testing.
- @everyone as you stop touching files let me know so in can document your code.
- Keep up the good work you guys are all awesome best team I have ever had Thank you all for your hard work let's push through to complete this class.
- Gif of the night incoming everyone gets some good rest.

4.2.3. Meeting Closing

- Documents for editing if needed:
- Project plan:
- https://docs.google.com/document/d/1u74Jt7lYrs5us594fOqUTH8mZhNJjIWAKsBGel7_jl4/edit?usp=sharing
- @everyone contributions are up to date.

- SDS:
- <https://docs.google.com/document/d/17G-ImCUfhYO-41eMbkSHNwm1zXpUABbZcaZWup3nnAA/edit?usp=sharing>
- @everyone make sure your module is up to date
- SRS:
- https://docs.google.com/document/d/1jpfEwRuIFK5dZdNmJL_yMM5WEoHUi2cRLfEYb2gAwL0/edit?usp=sharing
- Programmer doc:
- https://docs.google.com/document/d/1Rt5yUJ86Yxn0WE9t23_r3lnZQmVai3szHD08jE6iCm8/edit?usp=sharing
- @Willard this is your problem
- Meeting notes:
- <https://docs.google.com/document/d/1WHIm6J-oj5CZqN-Gf6bo8rHxuPOT73FrEDicUyPoS1A/edit?usp=sharing>
- @Willard catch up on notes for discord
- @Simmon send me your meeting notes docs when possible
- User doc:
- https://docs.google.com/document/d/1oNd1seIKMOsB06mjBqDI1rtw_SF1_kC88KJX1HUrxdg/edit?usp=sharing
- @Willard Setup framework and screen shoots
- Presentation:
- <https://docs.google.com/presentation/d/1yV-uJTikmQ2PCEr8dLFoyxpGy4zWZ0CJ9q6Alg2SyVs/edit?usp=sharing>
- @everyone finalize this tomorrow

4.3. Tuesday 05MAR2024 1530 - 1730 Knight

4.3.1. Canceled

4.3.2. Used time for finalizing modules

4.4. Wednesday 06MAR2024 1530-1730 Knight

4.4.1. Canceled

4.4.2. Used time for finalizing modules

4.5. Thursday 07MAR2024 1200-1400 PLC

4.5.1. Before Meeting:

- NONE

4.5.2. During Meeting:

- Work time for integration

4.5.3. After Meeting:

- NONE

5. Week 4 Meetings Notes (10MAR2024 - 16MAR2024)

5.1. Sunday 10MAR2024 1200-1400 Discord

5.1.1. Before Meeting:

5.1.2. During Meeting:

- Go over turnin requirements

- Status report
- 5.1.3. After Meeting:**
 - NONE

5.2. Monday 11MAR2024 1530 -1830 Knight

- 5.2.1. Before Meeting:**
 - NONE
- 5.2.2. During Meeting:**
 - Finalize testing and writeup.
- 5.2.3. After Meeting:**
 - NONE

5.3. Tuesday 12MAR2024 1200 - 1400 PLC

- 5.3.1. Before Meeting:**
- 5.3.2. NONE**
- 5.3.3. During Meeting:**
 - Overview and review zip archive
 - Reseashal for presentation
- 5.3.4. After Meeting:**
 - Project END