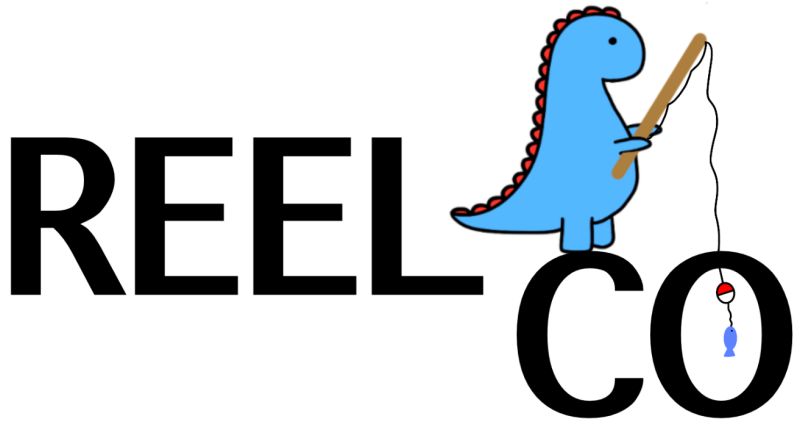
EECS 448 Product Management

Team Name: REEL CO

Emmy Richardson, Libby Miller
Elise Lovell, Ron Heminway
Olivia Romig, & Claire Thompson



VISION STATEMENT

FOR everyday people WHO want outfit recommendations based on the weather, THE REEL CO-loset is a web-based service THAT provides clothing advice and laundry tracking based on personal preference and what's actually in the user's wardrobe. UNLIKE other virtual closet assistants, OUR product will send daily notifications to our users and tailors to *everyone* who wears clothes, not just women.

TEAM PROFILES

Libby Miller
Contact: libbymiller@ku.edu
Availability:
- Monday's: 6:00 pm and later
- Tuesday's and Thursday's: 12:30 -2:30 pm, 4:00 pm and later
- Wednesday's: 11:00 am - 2:00 pm, 4:00 pm and later
- Friday's: unavailable
- Saturday's and Sunday's anytime.

Computer Science major – Junior (2024)
Relevant Coursework: EECS 168, 210, 268, 348, currently enrolled in EECS 388, 510, 563
Programming Languages/Libraries: C++, Javascript, HTML, CSS, React, basic knowledge of Python

Claire Thompson
Contact: clairethompson@ku.edu
Availability:
- Monday's: 4:30pm and later
- Tuesday's: 12:30pm - 2:30pm, 4:00pm and later
- Wednesday's: 11:00am - 12:30pm, 4:30pm and later
- Thursday's: 12:30pm - 2:30pm, 4:00pm - 6:30pm, 7:30 and later
- Friday's: 4:30pm and later
- Saturday's and Sunday's: available any time

Major: Computer Science - Junior (May 2024)
Relevant Coursework: EECS 210, 268, 368, 388; currently enrolled in EECS 510 & 645
Programming Languages/Libraries: C++, Javascript, HTML, CSS, basic knowledge of C and Python

Olivia Romig
Contact: olivia.romig@ku.edu
Availability:
- Monday's: available anytime
- Tuesday's: 12:30pm - 2:30pm, 4:00pm and later
- Wednesday's: available after 11:00am
- Thursday's: 12:30pm - 2:30pm, 4:00pm - 6:30pm, 7:30 and later
- Friday's: available anytime
- Saturday's and Sunday's: available anytime

Major: Computer Science - Junior (May 2024)
Relevant Coursework: EECS 168, 210, 268, 368, 388; currently enrolled in EECS 510 & 645
Programming Languages/Libraries: C++, Javascript, HTML, CSS, basic knowledge of C and Python

Emmy Richardson
Contact: emmy.richardson@ku.edu
Availability:
- Monday's: available after 1:30
- Tuesday's: 12:30pm - 2:30pm, 4:00pm and later
- Wednesday's: available before 12:00pm and after 4:00pm
- Thursday's: 12:30pm - 2:30pm, 4:00pm - 6:30pm, 7:30 and later
- Friday's: available anytime
- Saturday's and Sunday's: available anytime

Major: Computer Science - Junior (May 2024)
Relevant Coursework: EECS 168, 210, 268, 368, & 388; currently enrolled in EECS 510 & 645
Programming Languages/Libraries: C++, Javascript, HTML, CSS, basic knowledge of C and Python

Elise Lovell
Contact: elisel@ku.edu
Availability:
- Monday: anytime before 10:30am and after 12:30pm
- Tuesday and Thursday: available after 4:00pm
- Wednesday: available after 12:30pm
- Friday: available before 10:30am and from 12:30pm to 7:30pm
- Saturday and Sunday : available anytime

Major: Computer Science - Junior year (May 2024)
Relevant Coursework: EECS 168, 268, 368, 210, 388; currently enrolled in EECS 645 and 510
Programming Languages/Libraries: C++, Java, Python, basic Javascript, Haskell and HTML

Ronald Heminway
Contact: ronald.heminway@ku.edu
Availability:
- Monday: anytime before 1:00pm and after 3:00pm
- Tuesday and Thursday: available after 4:00pm
- Wednesday: available after 3:00pm
- Friday: available after 3:00pm
- Saturday and Sunday : available anytime

Major: Computer Engineering - Junior year (May 2024)
Relevant Coursework: EECS 168, 268, 368, 210, 388; currently enrolled in EECS 645 and 678
Programming Languages/Libraries: C++, C#, Python, Javascript, React, Haskell, CSS, and HTML

ROLES & RESPONSIBILITIES

Team Administrator: Claire Thompson

Responsible for:

- Setting up team meetings.
- Organizing team disagreements.
- Taking & posting minutes for each team meeting.
- Managing meetings, including:
    - Organizing an agenda for each meeting
    - Conducting meeting
    - Working on project deliverables
- Bringing up any personnel issues to the professor.

Product Owner/Utility Developer: Olivia Romig

Responsible for:

- Responsible for user stories.
- Identifies product features and attributes.
- Represents the users and customers.
- Review work and help test the product.
- Working on project deliverables.

Project Lead 1: Emmy Richardson

Responsible for:

- Compiling & submitting all project deliverables.
- Organizing and splitting artifacts between co-project leader.
- Directing the project & leading the project portion of meetings.
- Reporting any technical issues (that are not resolvable to the team) to the professor.
- Working on project deliverables.

Project Lead 2: Elise Lovell

Responsible for:

- Compiling & submitting all project deliverables.
- Organizing and splitting artifacts between co-project leader.
- Directing the project & leading the project portion of meetings.
- Reporting any technical issues (that are not resolvable to the team) to the professor.
- Working on project deliverables.

Technical Leader: Ron Heminway

Responsible for:

- Publishing project deliverables on the deliverables website.
- Ensuring branches work before merging into other branches.
- Managing the project repository.
- Working on project deliverables.

Data Administrator/Quality Assurance Engineer: Libby Miller

Responsible for:

- Finalizing project deliverables, with the help of the team, prior to publication.
- Checking for consistency of deliverables.
- Working on project deliverables.

MEETING NOTES

Team Meeting 9.07

WHEN: Wednesday, September 7th @ 10:00am
PURPOSE: First team meeting, set up
ATTENDANCE: (*every team member*) Claire Thompson, Olivia Romig, Emmy Richardson, Elise Lovell, Ron Heminway, Libby Miller (virtually)

Libby is out with covid at the moment, so we called her so she could be included in our conversation.
Emmy started a GitHub repository and emailed every member of our team a link to it, then sent out invites to each of us to be a collaborator on the repository.
We then brainstormed ideas for team names and decided roles for each person.

TEAM NAME IDEAS:
DinoDevs
REEL CO

ROLES:
Team Administrator: Claire Thompson
Assistant Team Administrator: Olivia Romig
Project Leader: Emmy Richardson
Assistant Project Leader: Elise Lovell
Technical Leader: Ron Heminway
Data Administrator/Quality Assurance Engineer: Libby Miller

Elise then had to leave to go to a class. We have a group chat with all of our members so that we can keep in contact outside of meetings. Elise will also have these meeting notes to reference what we discussed the rest of the meeting.

We discussed which casing we want to use for our project so that everything is uniform. We decided on snake case.

We decided on the team name “REEL CO”. I quickly made a logo corresponding to our name.

We also decided on the responsibilities for each of the team members’ roles.

We then discussed that each person will work on their member profiles before tomorrow.

We decided on our next meeting, Thursday, September 8, after class.

Then we ended the first meeting.

Team meeting 9.08

WHEN: Thursday, September 8th @ 3:45pm
PURPOSE: Second team meeting, finalize part 1 documents
ATTENDANCE: (*every team member*) Claire Thompson, Olivia Romig, Emmy Richardson, Elise Lovell, Ron Heminway, Libby Miller

We first changed the format of our cover page. We added our team member's names to it and changed the formatting of our team name & header.

We then started to adjust our team roles and responsibilities. We added the following to each person:

- Claire: roles stayed the same.
- Emmy: specified that she will compile *and submit* all project deliverables. Also added Elise as Project Lead 2.
- Olivia: we changed her from Assistant Team Administrator to Product Owner. We discussed which responsibilities she would have as the Product Owner, including providing a user's perspective and representing the customers.
- Elise: we changed her from Assistant Project Lead to Project Lead 2. We did this to avoid any connotation that the Assistant Project Lead would have less responsibilities/work than the main Project Lead. Therefore, we will have both Project Leads work together to manage their tasks.
- Ron: we added 'ensuring branches work before merging into other branches' to his responsibility list. This is just to ensure we avoid any merge conflicts that may arise from having multiple branches.
- Libby: roles stayed the same.

We adjusted the format of this document to make sure each page was uniform.

We each approved the document and ended the meeting @ 4:30 pm.

Team meeting 9.14

WHEN: Wednesday, September 14th @ 9:00am
PURPOSE: Create the vision statement for our project
ATTENDANCE: (*every team member, virtually*) Claire Thompson, Olivia Romig, Emmy Richardson, Elise Lovell, Ron Heminway, Libby Miller

We decided to meet virtually today to accommodate commuters.

Last meeting we discussed an idea for a project: An application/website that checks the current weather for your location, and tells you what to wear based on a virtual wardrobe, and will tell you when to do laundry based on what you wear.

Components:

- Website
- User accounts (for personal wardrobes & security purposes)
- Push notifications (will text/email user at a set time with what to wear)
- Laundry tracker (user inputs what they've worn, and our app will tell them when to do laundry/wash certain items)
- Clothing based on events/categories (formal, casual, etc.)
- Location settings (so it can track the weather)

Nice-to-have's/Additional features:

- Guest session (will give user generic clothing items to wear)
- Badge system (for doing laundry/wearing certain outfits - i.e. same outfit = "Ron Badge")
- History of outfits (goes back a certain number of days, e.g., 30-60)
- Favorite option (will suggest favorites more often)
- Travel feature (tells user what to pack based on weather where they're going)
- Helpful clothing tips

Name ideas:

- RONdry
- DressMe
- ClimateCloset
- ClotheMe
- Helpme
- CloudyCloset
- SunnyFashion
- GlitterMe
- Sumit
- SnowProblem
- REEL CO-loset

Slogans:

- "Makes getting dressed a *breeze*!"

Logos:

- Add “loset” to current logo
- Make dino fish for a shirt/hat
- Add socks to dino

We then added a new page in our document (after the title page) and formed our vision statement there. We decided that we’ll ask Professor Saiedian to check over our vision statement tomorrow (Thursday, 9/15), then we will briefly meet after class to turn it in.

We agreed on this plan and ended our meeting @ 10:19 am.

Team meeting 9.15

WHEN: Thursday, September 15th @ 3:45pm
PURPOSE: Finalize vision statement
ATTENDANCE: (*Meeting was canceled)*

We asked Professor Saiedian our question after class and decided we didn’t need to change anything regarding our vision statement, so we agreed to cancel our team meeting today and have Emmy (project leader) submit Part 2 after class.

Team meeting 9.29

WHEN: Thursday, September 29th @ 3:50pm
PURPOSE: Project part 3; develop use cases and requirements
ATTENDANCE: (*every team member*) Claire Thompson, Olivia Romig, Emmy Richardson, Elise Lovell, Ron Heminway, Libby Miller

We first discussed when to meet again after this meeting, and we decided on Friday, 9/30 at 1:00, and whoever is available at that time will join. Since Libby can't meet tomorrow, we decided that since she is the Quality Assurance Engineer, she will look over our documents this weekend before we submit.

We then all shared the templates with each other so that we can collaborate and all edit the documents at the same time. We started with our upedu_ucspec template to define our use case specifications. We first drew out our use case diagram on a whiteboard before we developed it in Visual Paradigm.

Ron was tasked with developing our use cases in Visual Paradigm. The rest of our group started filling out the upedu_ucspec document.

After deliberation, we had to redo our diagram, and spent the rest of our meeting reconfiguring our use cases and specifying them within the document.

We ended our meeting @ 6:15pm with the plan to meet virtually at 1:00pm the next day.

Team meeting 9.30

WHEN: Friday, September 30th @ 1:00pm
PURPOSE: Project part 3; finish use cases and start the next two requirements documents.
ATTENDANCE: (*virtually*) Claire Thompson, Emmy Richardson, Elise Lovell, Olivia Romig, Ron Heminway

We started our meeting by looking through the upedu_sspec template. Using this document as well as the 'a-project' with UPEDU-templates.pdf' example on canvas, we started figuring out what our non-functional requirements would be and wrote them down.

While Elise, Emmy, and I (Claire) started filling out the upedu_sspec document, Olivia tackled finishing our use case descriptions in our upedu_ucspec document. Ron then joined and we finished our Supplementary Specifications document before moving on to finalizing our User Specification document. There were some changes that we needed to make to our use case diagram, which then resulted in the rework of parts of our Use Case Specification document. After that was done, we read through both of the pages before we decided to take a break.

We took a collective break at 5:30pm, and got back online together at 7:30pm.

When we returned, we started working on our last document, upedu_srs. We looked up the IEEE standards and followed them as well as the example to guide our documentation. From there, we worked on each section and approved it by each member before moving on.

Lastly, we tentatively approved each of the three documents so that we could give them to Libby to check and approve before Sunday night. We will have her add her name to the revision history so that any changes will be tracked. She will then let Emmy know when she is finished so that she can submit it.

We finally ended our meeting @ 11:10pm.

Team meeting 10.04

WHEN: Tuesday, October 4th @ 3:45 pm
PURPOSE: Project part 3 iteration 2, begin project prototype
ATTENDANCE: (*every team member*) Claire Thompson, Emmy Richardson, Elise Lovell, Olivia Romig, Ron Heminway, Libby Miller

We met in LEEP2 after Tuesday's class to begin our prototype. We decided to use Node.js Latest to start building our prototype, because it would work best with the API. We also decided to use replit.com to code our project so that we can all collaborate on and write code at the same time.

Claire then created a replit project and shared it with all of our members. After everyone logged into replit and we ensured everyone could type on the document (and see everyone else type on it), we were ready to move on.

Before we started, we realized we didn't accommodate our users that could be used to the Celsius temperature scale. We decided that could be a feature implemented in the future, but we don't need to worry about it for our prototype. Libby added it to our Requirements Specifications as a 'NEW' addition.

To start the flow of our ideas, we wrote out on a white board what kind of outfits we want for specific temperature ranges. We started our low range from 32-40, and did 5 degree increments until 105. We then wrote out what outfits could be chosen for each range.

After we had a good idea of what we wanted for each range, we decided to split up to help speed along the process. Claire, Olivia, and Elise started coding our if-statements for each temperature range. Ron, Emmy, and Libby started looking for API's and began trying to connect one to our project.

Claire, Olivia, and Elise were able to code a simple stand-alone project that outputs a random, (fairly) accurate outfit for a specific temperature in fahrenheit, but our code was unnecessarily complex and not well organized, so we worked on refactoring what we had so that it was condensed into various functions rather than consisting of various if-statements.

We ended with the plan to meet after our lab session tomorrow. Then, we will try to push our code to GitHub and attempt to connect the API to our project.

We concluded the meeting @ 6:32 pm.

Team meeting 10.05

WHEN: Wednesday, October 5th @ 9:50 am
PURPOSE: Project part 3 iteration 2, finish project prototype
ATTENDANCE: Claire Thompson, Emmy Richardson, Olivia Romig, Libby Miller, Elise Lovell

Last night, Libby and Emmy were able to connect the API to our prototype. The prototype that we wrote yesterday was written in a way that allowed for the seamless addition of the API. After the lab, we checked that it worked, then worked on figuring out how to push our code from replit to our GitHub repo.

We had decided to leave the laundry feature out of our prototype, since it would be too complicated to implement in the short amount of time that we have. Our prototype therefore is a simple program that takes the daily weather for Lawrence from the API, generates an outfit based on the temperature, and displays it to the console along with some helpful tips regarding the weather for the day.

Emmy and Olivia both were able to successfully push code from replit to GitHub (success!). We then tried to clone our repo on the lab machines, but realized that you need to have the latest version of node.js downloaded in order to run our program, so we decided to add that information to our README.md file.

We realized that we made a mistake when creating our branches, so they were completely independent and we therefore couldn't submit a pull request to merge our feature branch. To fix that issue, we had to copy our files from our other branch into a different one that pulled our previous commits and copied the files from our mistake feature branch, and we were able to make a pull request since these two branches had a coinciding commit history. We now know the process we need to make when creating a new branch so that this mistake does not happen again.

After we were able to get everything successfully into and organized in GitHub, we planned to have Ron check it over before Emmy submits it. With that, we concluded our meeting at 11:30.

Team meeting 10.18

WHEN: Tuesday, October 18th @ 3:50 pm
PURPOSE: Start project part 5 iteration 1
ATTENDANCE: (*every team member*) Claire Thompson, Emmy Richardson, Olivia Romig, Libby Miller, Elise Lovell, Ron Heminway

We started by opening the templates for upedu_sad & upedu_ucrea. We also opened the example from canvas to refer to.

We began filling out the documents by updating the beginning pages with the general information regarding our project. Then, we split up and each began working on a section, while openly discussing with each other.

After working for a while, we decided to meet again after class Thursday to attempt to finish part 5 iteration 1. We will work on developing diagrams for upedu_ucrea and finishing the upedu_sad document.

We concluded our meeting @ 5:20 pm.

Team meeting 10.19

WHEN: Wednesday, October 19th @ 9:00 am
PURPOSE: Prototype Demonstration to LAB TA Arnab Mukherjee
ATTENDANCE: Emmy Richardson, Libby Miller, Ron Heminway

Libby, Ron, and Emmy presented the Prototype during the Lab using the EECS Cycle Server Computers.

Arnab thought the prototype was a good start and great proof of concept. He recommended better categorization of arrays or even a different data structure such as a neural network.

Libby, Ron and Emmy concluded their presentation and Discussion with Arnab @ 9:30 AM.

Team meeting 10.20
WHEN: Thursday, October 20th @ 3:45 pm
PURPOSE: Finish project part 5 iteration 1
ATTENDANCE: (*every team member*) Claire Thompson, Emmy Richardson, Olivia Romig, Libby Miller, Elise Lovell, Ron Heminway

We met after class to finish the first iteration of project part 5. We all opened our upedu_sad and upedu_ucrea templates and continued to fill out each section.

To start building our sequence diagrams, we began drawing them out on the white board. We started with our logout sequence diagram, then did login.

At 5:00, Claire had to leave, so Olivia took over these meeting notes.

Then we started working on the login/logout system sequence diagram. After we finished the drawings on the whiteboard Ron and Libby created the diagrams digitally.

After adding the sequence diagrams to the document we started working on the class diagram. As a group we worked on deciding the classes, attributes, and methods that our REEL COLOSET System has.

Then we worked on the sequence diagram for generating the daily outfit. Following that we worked on the sequence diagram for laundry and then the create account sequence diagram.

The time we booked the room till was approaching (6:30pm) and we decided to reserve it for another hour so we would end around 7:30pm so that we could get a little farther on the documents.

We finished the closet and edit profile sequence diagram. Libby and Ron continued working on creating the digital diagrams, Olivia worked on filling out the UCREA document, and Emmy and Elise worked on the whiteboard drawings of the diagrams.

We finished the class diagram and made a lot of progress on both documents. We decided to adjourn early after setting up a meeting for tomorrow morning.

We concluded our meeting @ 7:06 pm.

Team meeting 10.21

WHEN: Friday October 21st @ 10:30am
PURPOSE: Finishing project part 5 iteration 1
ATTENDANCE: (*virtually*) Emmy Richardson, Olivia Romig, Elise Lovell, Ron Heminway

Olivia took meeting notes in Claire's absence.

For those of us that could we hopped on a zoom call to finish up the last few things for project part 5. Ron worked on finishing up the digital version of the class diagram. Olivia worked on updating the table of contents for both the use-case-realization specification and software architecture documents. Elise worked on listing all of the figures in the documents in a figure table of contents. Emmy worked on the software architecture document.

Elise and Emmy helped Ron review, add attributes, and add methods to the class diagram. Olivia worked on the derived requirements in the use-case-realization specification document.

Claire joined in the zoom on her lunch break!

Emmy, Claire, and Elise worked on the Server, User, and Classes description tables in the software architecture document.

Claire left to return to work at 12:35pm.

The class diagram got completed and then was added to both of the documents.

Olivia had to leave at 12:45pm. Ron took over the meeting minutes.

UPEDU_SAD document was finished at 1 PM

It was agreed upon Emmy, Ron, and Elise that UPEDU_ucrea's object diagrams would be made with expected critique from LAB TAs

Object Diagrams were completed at 1:47 PM

After everything was cleaned up in Upedu_ucrea, Libby was notified to double check it before submission on Sunday.

We concluded our meeting @ 2 pm.

Team meeting 10.25

WHEN: Friday October 25th @ 12:30pm
PURPOSE: Prototype Demonstration to Professor Saiedian
ATTENDANCE: Emmy Richardson, Olivia Romig, Ron Heminway, Claire Thompson, Libby Miller

The group went to Professor Saiedian's office in order to demonstrate the prototype. It was decided before the demonstration that Ron's computer would be used for the demo because Ron had added a few extra features that were not in main.

Professor Saiedian gave some advice as to how to present the program before the demo.

- Give a brief explanation of the functionality and name of program

Professor Saiedian thought the implementation was pretty good, he only wished there was a better interface for users to interact with. But for a prototype, it was substantial.

The team ended their demo at 12:45 PM.

Team meeting 11.01

WHEN: Thursday, November 1st @ 3:45pm
PURPOSE: Working on the iteration document for part 6
ATTENDANCE: (*every team member*) Emmy Richardson, Olivia Romig, Ron Heminway, Claire Thompson, Libby Miller, Elise Lovell

We met after class to do project part 6.

We started by importing the upedu_itpln into our shared folder and started updating it with our own information. Under the “Use Cases” section, we listed all of them out and discussed which iteration to put them in.

We decided on 3 iterations:

- Database: setting up the database and its tables and implementing the database calls into the code
- Logical: defining function/functionality of the application
- GUI: setting up the graphical user interface and making the application look nice

Since we had two prototypes (one for Mac and one for Linux), we ensured that the Linux one ran on a Mac. Once we saw that it works, Ron merged the two branches together so that we have one cohesive prototype.

After we finished the documentation for our first iteration, Ron had to leave to go to another meeting.

We then duplicated our first iteration document and started editing it for our second iteration.

While we were working on the iteration 2 document, Emmy worked on researching API’s for converting zip codes to latitude/longitude. She found one that was free (within reason - it is free for less than 2,500 API calls a day) that we can use. So, we’re planning on having the users input their zip code and we’ll use the API to generate their coordinates to use in the weather API.

We finished the iteration 2 document and started on the iteration 3 one. Once we finished the 3rd iteration document, we agreed that we can update the documents as needed when working on the iterations.

Next time we meet, we will work on implementing the database into our project. We decided to have each of us do a little bit of research on databases (specifically the Replit databases). We will meet tomorrow after/during the lab (if we have time), then again on Thursday.

We concluded our meeting @ 5:15pm.

Team meeting 11.03

WHEN: Thursday, November 3rd @ 5:00pm
PURPOSE: Creating the database for our project
ATTENDANCE: (*virtually*) Emmy Richardson, Olivia Romig, Ron Heminway, Libby Miller, Elise Lovell

Olivia took meeting minutes in Claire's absence today.

We met in order to get our database up and running, to use in our project.
We started by discussing what type of database we wanted to use as well as what language we should use for the database. Emmy has experience with SQL and found a helpful step guide to creating a SQLite database in javascript which will integrate nicely with our project.
After deciding our database we created the REEL COLOSET project directory and started setting up the database and backend logic files.

Then on a whiteboard in zoom we discussed the tables we wanted in the database and the values that would be in the tables, and came up with User Table, Closet Table, and Laundry Table. Then we started coding! After setting up the tables we created a test account to try queries. Then it wouldn't create the tables in the .db file, so we tried some trouble shooting, which did not work. Then we tried using SQLite in python but still ran into problems with it. After several attempts we kept running into problems.

We were not able to get anything to work and decided to call the meeting at 8:30pm and decided to meet tomorrow so that we can look at it with fresh eyes. We decided that those of us that could will meet at 10am tomorrow.

We concluded our meeting @ 8:35pm.

Team meeting 11.04

WHEN: Friday, November 4th @ 10:00am
PURPOSE: Creating the database for our project
ATTENDANCE: (*virtually, every team member*) Emmy Richardson, Libby Miller, Olivia Romig, Ron Heminway, Claire Thompson, Elise Lovell

Emmy took meeting minutes in Claire's absence today.

Last night Emmy found a tutorial on how to create a simple website with python. During the meeting, Libby decided to look into the tutorial while Emmy kept troubleshooting connecting to the SQLite database in Node.js.

Olivia hopped on at 10:45.

Ron hopped on at 11:00.

Libby and Emmy made progress with connecting to the database in Node.js so we decided to focus on that instead of Python. Ron worked on figuring out how to determine which weather station is closest to the user's zipcode so that we know which station to include in the GET request for the forecast.

We created the three tables we discussed in yesterday's meeting, setting up our primary key user_id and foreign keys (also user_id) so that we will be able to join the tables for future queries. We then worked on inserting values into and running select queries on all three tables to ensure not only that we were able to successfully insert values, but that all of our constraints for the tables were working properly. We then separated these functionalities (creating the tables, inserting into the tables, and running select statements on the tables) into three different functions and turned our focus to calling them from a separate Node.js file. This ensures that when we work on our logic next week, we can integrate our database queries easily.

Claire and Elise hopped on at 12:00

We got the functions to work when we ran the program three separate times, each with a different function called, but when they were all called in the same program, they were executing at the same time instead of one after the other. This caused errors to occur like inserting into a table that doesn't exist yet. We then realized we didn't actually need to have them as separate functions, so we put everything into one function and were able to call it successfully from our index.js file.

Ron left at 1:50 PM, having almost finished making the function that determines the closest zip code. Our goal for the week was to get our database set up so we decided to end the meeting having done so.

We concluded our meeting @ 2:00pm.

Team meeting 11.08

WHEN: Tuesday, November 8th @ 5:30pm
PURPOSE: Working on connecting the front end and back end of our web application
ATTENDANCE: (*virtually, every team member*) Emmy Richardson, Libby Miller, Olivia Romig, Ron Heminway, Claire Thompson, Elise Lovell

We started by creating a new Replit project that contains HTML, CSS, and JavaScript files so that we will be able to design our front-end in the next iteration. Emmy merged our database branch into our main so that our Github main branch in our repo now contains all of the latest changes. We then pulled our main branch into our new project to display these changes.

Ron had a SASE exec meeting, so he hopped on at 6:00pm after it finished.

We then decided that our next step is to define our methods. We quickly went through and defined our getters and setters, then started to brainstorm the logic for the rest of our methods.We condensed & reorganized our classes so that they make the most sense to us functionality-wise. Then we moved on to our definitions.

We started with our wear() method under the User class. We decided that we would create a wear() function within our database.js file that queries the database. Then, we will call that function within our method definition.

Elise hopped off at 8:00pm.

Unfortunately, the database functions caused us some issues. We were having troubles referencing values that we selected from the database earlier within the function. After staring at it and troubleshooting for a while, we decided to call it a night and try some new things later.

We concluded our meeting @ 8:30pm.

Team meeting 11.10

WHEN: Thursday, November 10th @ 5:30pm
PURPOSE: Finish defining class methods
ATTENDANCE: (*virtually, every team member*) Emmy Richardson, Libby Miller, Olivia Romig, Ron Heminway, Claire Thompson, Elise Lovell

We started our meeting by picking up where we left off last time. Olivia and Emmy found some articles that may help us in using data from one table in another. Emmy figured out how to join our tables. After a bunch of trial and error, we were able to get our wear() method to work, where it adds 1 to that specific article number in laundry, and subtracts one in closet.

Ron had to hop off for a 6:30 pm meeting.

Since we were still having issues getting our methods to work when we close the database, Olivia suggested that we try nesting our calls in serialize(), that way, they all run in the correct order and we avoid errors when running our database.

Ron rejoined at 7:00pm.

After reorganizing our serialize() calls, we were able to get our methods to work between opening and closing the database.So we got our wear() method to work successfully!

We moved on to clean() next. We decided it will be similar to our wear() method, except we will take the values in laundry, add them all to the corresponding closet values, then set everything in laundry equal to zero. Once we figured how how to implement clean for one article, we put all of the articles in an array, then called the method within a for loop for each article, and it worked - all of the laundry values were set to 0, and all of the closet values were incremented by 1.

After finishing our second method, we all had a better understanding of how to write them in our database.js file. We decided to divide and conquer, having each of us work on our own method for a little bit and asking questions/having each other check them as we go along.

Elise hopped off at 9:00pm.

Libby hopped off at 9:30pm.

We collectively decided to remove the “Edit User” functionality. In order to deliver our MVP by the due date, we pushed that functionality to phase 2.

After having something down for at least every method, we decided to step away and take a look at the validateLogin() method later since we kept getting stuck.

We concluded our meeting @ 11:15pm.

Team meeting 11.11

WHEN: Friday, November 11th @ 12:00pm
PURPOSE: Finish defining class methods
ATTENDANCE: (*virtually*) Emmy Richardson, Olivia Romig, Ron Heminway, Claire Thompson, Elise Lovell

We decided to start our meeting by finishing the validateLogin() method that we weren't able to get yesterday.

Ron & Claire hopped off at 1:00pm. Elise hopped on at 1:00pm. Olivia took over the meeting minutes for Claire.

After many attempts to get the serialization of the validateLogin() method, it works! Then we started testing all of the functions we made yesterday. We did some debugging and refactoring.

We worked on getting the API calls in the correct order, so that when we add a user all they need to input is a zip code. When the user inputs their zipcode it goes into an API call to get the latitude then the longitude, then the station they are closest to. This way we can get the weather for their city.

We got the addUser function to work! Where the user only needs to put in their user_name, password, email, and zipcode, and then their account gets created. Then we started working on generateOutfit().

Claire joined 3:00pm! She took over the meeting notes again.

Upon working on our method definitions, we decided to have a team discussion regarding moving forward with our interface. Since the database creation and database methods have taken up all of our time these past working sessions, we have realized that with the time we have left (and the way we set up our database), we will not be able to design a GUI for our product. Although this is a sad concept for our team, we realized that a command-line program would work well for our current code and we would be able to include some ASCII art to make it look exciting as well. After we all decided that this would be best, we drafted an email together to send to Professor Saiedian to make sure that a command-line program would be okay to use for our final product.Once we got a response from him, we decided that we will explore our options but have a CLI to fall back on if we needed to because of the due date.

Elise hopped off at 5:00pm. Ron hopped on at 5:00pm. We decided that once we get the weather API to work, we will call it quits for this weekend and we'll meet back again on Monday to work for a little bit before all reconvening Tuesday.

Emmy was able to connect the weather API to our program.

We concluded our meeting @ 5:15pm.

Team meeting 11.15

WHEN: Tuesday, November 15th @ 4:00pm
PURPOSE: Work towards finishing the logic of the application
ATTENDANCE: (*In person, every member)* Emmy Richardson, Olivia Romig, Ron Heminway, Claire Thompson, Elise Lovell, Libby Miller

When we opened up our project today, there was a weird glitch in replit that wasn't allowing our program to build. We decided to transfer our files into a new project in replit to hopefully get rid of the issue.

We all said happy birthday to Olivia!

We started by making a list of what we have left to do for our project. Olivia wrote the list out on the board, and we decided that this is what we have left:

1) Write generateOutfit() function
2) Write the driver function
3) Make the output pretty (well-polished and create, use ASCII art)
4) Test

After we created this list, we split up to work on different things. Elise and Libby started adding comments to our files to make them a little easier to understand. Olivia and Claire started working on the generateOutfit() method.

Ron left at 5:00 pm to attend a meeting.

Emmy, Elise, and Libby started to implement helper functions for our menu.

Claire and Olivia started working on making the articles of clothing & ASCII art well-polished.

Ron came back after his meeting at 6:10pm.

We started exploring the idea of splitting our index.js file into two - one with class definitions and one with the helper functions. This way, our index.js file would not be 700+ lines long. We decided that after we finish our code, we'll go back to implement that if we have time, since it isn't an urgent matter but would make our code a little more readable.

After we all finished independently working, we came back together to run our code. After fixing a few syntax errors, we realized that we needed to change our User class constructor to include all of the attributes that we're relating to the database. Emmy and Olivia worked on an infoFormat function to ensure that all of the parameters are formatted correctly.

When we ran it again, we had some timing issues, so we will need to do some tweaking before we run it again.

We decided that all we have left to do is finalize the driver() function, then make sure all of our methods that we made today work correctly. We will meet tomorrow, virtually, at 5:00pm. We concluded our meeting at 7:35 pm.

Team meeting 11.16

WHEN: Wednesday, November 16th @ 5:00pm
PURPOSE: Finish the logic of the application
ATTENDANCE: (*virtually, every member)* Emmy Richardson, Olivia Romig, Ron Heminway, Claire Thompson, Elise Lovell, Libby Miller

We started our meeting by working on splitting up our driver function. We'll have a loginDriver() function and a driver() function, each of which call each other. This way, the user can log out without quitting the program - if a user decides to log out of the system, then they will be redirected back to the login screen.

Elise hopped on at 5:20pm.

We ran into a dependency issue with fetch in the new project. We had a bit of trouble running our program, so we created a new project in replit. After setting up our project, we spent a long while just attempting to run our code and fixing the errors that we had. Our main trouble was connecting all of our different functions and methods that call each other.

Libby hopped off at 7:30pm.

We took a quick brain break at 7:40 because we weren't getting anywhere. Once we came back at 8:15, Ron recruited some help from his friend Vinny to look at our code. He found a couple syntax errors and we were able to get our getEmail() database function to work! We rewrote our working getEmail() function to be getInfo, which will get the information from any column.

Once this was fixed, we moved onto fixing our generate outfit logic. We had to split up our functions into multiple functions, and were just trying to get things to work using trial and error.

Elise hopped off at 9:30.

Emmy and Ron hopped off at 10:15.

Claire and Olivia refactored our generate outfit functions until we were able to run them and output a randomized outfit with the corresponding ASCII art.

Olivia & Claire figured out the last few things to put on the agenda for tomorrow.

Olivia & Claire concluded their meeting @ 12:05am.

Team meeting 11.17

WHEN: Wednesday, November 17th @ 4:45pm
PURPOSE: Finish the application
ATTENDANCE: (*virtually)* Olivia Romig, Ron Heminway, Claire Thompson, Elise Lovell, Libby Miller

We started by running all of our menu options to ensure our functionality is working. This brought some bugs to our attention, which we fixed. We got our willWear() function working, where an outfit will be sent to the laundry if the user decides to wear it. We get this data from a prompt after the outfit is generated.

We took a break at 6:30pm for (most of) our members to attend the Women In Computing meeting. We rejoined at 7:30pm.

When we rejoined we started by trying to get our menu loops to run in the correct order when calling database functions.

We got it to work!! Now we are testing for error handling and looking for errors. We are now looking for a way to print out a message during create account if the username is already taken in the database by someone else.

After a lot of trial and error, we weren't able to get the database function to work, so we decided that for now, we will assume valid input from the user (which includes a unique username).

We then cleaned up the code and ran it again to make sure it worked. Ron then pushed our code to GitHub.

Libby will look at the format of our code, and Claire will look at the database function tomorrow. We'll then communicate with each other before we submit our final project.

We concluded our meeting @ 10:40pm.