

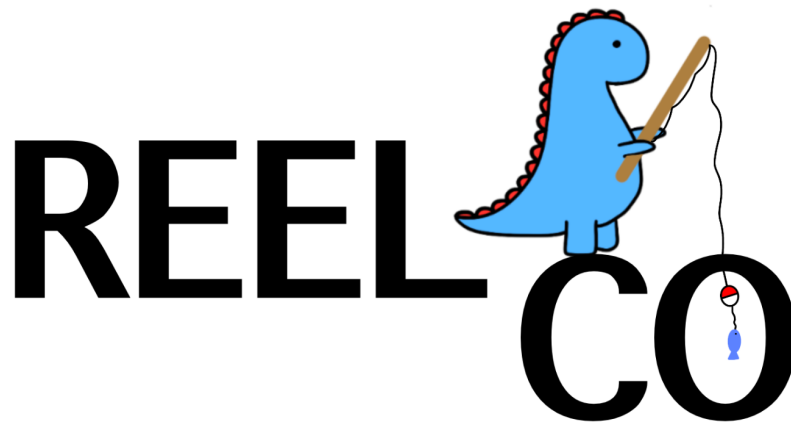
# EECS 448 Product Management

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**Team Name: REEL CO**

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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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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\_sspeg 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\_sspeg 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.