

Sprint 2 Project Planning

CSCE 431 - Bencoolen Software

Team Members & Roles

Nick Ludwig - Scrum Master
Simone Kang - Product Owner
Tyler Fredericksen - Developer
Keegan Reynolds - Developer
Kelvin Zheng - Developer
Bryan Yan - Developer
Kaijie Chen - Developer

Sprint Goals

The primary goal for sprint 2 is to work on the external API that mimics that TAMU meal service and integrate it with our MVP. We plan to enable the updating of credits within our meal plan system when a donation is made or received through the external API. We want certain options to be hidden on the landing page depending on the role of the account logged in. We also plan on enhancing the visual styling and user interface of the web application using the Bootstrap framework.

User Stories

View updated excess credit amount (1pt)

As a **student with excess credits**,
I want to **accurately see how many credits I have**,
so that I can **know how many credits I want to donate**.

Notify user when credit pool is low on request (2pts)

As a **food insecure student**,
I want to be **notified when the pool has insufficient credits for my request**,
so that I **know why my request isn't being fulfilled**.

Hide receive option from donors (1pt)

As a **student with excess credits**,
I want the **option to receive credits to be hidden from my view**,

so that I **cannot misuse the website's functionality**.

Hide donate option from recipients (1pt)

As a **food insecure student**,

I want the **option to donate credits to be hidden from my view**,
because I **won't be able to donate due to my lack of credits**.

Update recipient credits with API (1pt)

As a **food insecure student**,

I want my **credits to be promptly updated when I receive a donation**,
so that I can **use the credits for my meals right away**.

Visual Styling for Login and Landing page (2pts)

As a **user**,

I want a **nice interface when logging in**,
so that I can **have a more visually appealing experience**.

Visual styling for Receive and Donate Page (2pts)

As a **user**,

I want a **nice interface when viewing my profile**,
so that I can **have a more visually appealing experience**.

Prerequisite for creating recipient account (2pts)

As a **food insecure student**,

I want to **meet the criteria for signing up to be a recipient**,
So that I can make sure that **I am not misusing the website**.

Sprint Backlog

The Sprint Backlog consists of the stories above. Completing these stories will give us the basic functionality we discussed in our sprint goal of the external API and visual styling. In total, the sprint backlog has 12 story points. Below you can find the breakdown of each story.

Task Breakdown

Scaffolding/setup for the external API

Notifications for users

Prerequisites for users being recipients

Integrating API into our app

Css and bootstrap

View updated excess credit amount (Simone) ~2hrs

- Implement the necessary API calls to fetch and update the excess credit amount. ~.5hr
- Update the frontend components to display the latest excess credit amount. ~.5hr
- Implement tests for api logic ~1hr

Notify user when credit pool is low on request (Tyler F) ~3hrs

- Choose value to set threshold of min credits needed in pool ~.5hr
- Implement notification system that alerts user when pool is low ~1hr
- Display notification on UI ~1hr
- Develop tests ~1hr

Hide receive option from donors (Keegan) ~1hr

- Check if user is a donor ~.33hr
- Hide receive option if user is donor ~.33hr
- Write cucumber test ~.33hr

Hide donate option from recipients (Keegan) ~1hr

- Check if user is a recipient ~.33hr
- Hide donate option if user is a recipient ~.33hr
- Write cucumber test ~.33hr

Update recipient credits with API (Kelvin) ~2hrs

- Implement the necessary API calls to and update the recipients credit ~1hr
- Update the frontend components to display the current credit amount ~.5hr
- Implement necessary tests ~.5hr

Visual Styling for Login and Landing page (Bryan) ~3hrs

- Style landing page using bootstrap ~1.5hrs
- Style login page using bootstrap ~1.5hrs

Visual styling for Receive and Donate Page (Nick L) ~3hrs

- Style transfer page ~1hr
- Style receive page ~1hr
- Style transaction detail page ~1hr

Prerequisite for creating recipient account (Kaijie C) ~2.5hrs

- Establish criteria for creating a recipient account ~.5hr
- Check if user fits criteria when creating recipient account ~1hr

- Flash message if user does not meet criteria ~.5hr
- Implement required tests ~.5hr

Meeting Summary

During the initial sprint 2 meeting with the client, Mr. Asher, we skipped over showing him the MVP, since it was very similar to what we had shown him at the last meeting. We then clarified that we will focus on the external API and its integration during sprint 2. Once the app has the student's API, the app will talk to the api and get the credit information for the student, which is then displayed back to them. Credit donations are put into a general pool, where recipient accounts can draw meal credits from. We also clarified with Mr. Asher that there should be prerequisites for being a credit recipient, a threshold for qualification, as well as notifications for if the pool has insufficient credits. We set the sprint 2 goal with the client, being to focus on the external API and its integration.

Important Links

[Slack link](#)

[Github Repo](#)

[Pivotal Tracker](#)

[Heroku Site](#)