Sprint 4 Plan
Circular Barter & Gift
Release 1.0
Completion Date: 2/28
Revision Number: 1
Scrum Master: Michael

Sprint Goal: Finish MVP, add locations for each post, simplify the image upload API.
Tasks

User Story 1: (3) As an item poster, I want to be able to delete a post because I no longer want to trade an item. **Must**
- Tasks
  - 1a When a post is deleted update both the listings and offers tables in the backend (2)
  - 1b Add a delete button (1)

User Story 2: *(6) As someone who had made an offer, I want to be able to communicate and agree to an exchange with them without giving my phone number or email away.* **Must**
- Tasks
  - 2a Create a messaging interface (1)
  - 2b Store messages in the backend (3)
  - 2c Send and fetch messages (3)

User Story 3: (3) As someone who posted an item listing, I want to be notified within the website when I get a trade offer for an item. **Could**
- Tasks
  - 3a Augment the offers table with a variable that it tracks whether the user has seen it (1)
  - 3b Have new offers propagate the notifications tray (2)

User Story 4: (2) As someone interested in an item listed, I'd like to make an offer to exchange it for something I have. **Must**
- Tasks
  - 4a Create a view to see all offers you have made as a user (1)
  - 4b Create a list view to see all offers for a particular listing (1)

User Story 5: (3) As a listing poster, I want to advertise my item with an exchange location so that others can see where I want to make the trade.
- Tasks
  - 5a Adding a location field to the listing creation form (1)
  - 5b Add a field to the database (1)

- 5c Convert from address to coordinates (1)

User Story 6: (2) As someone who wants to pick up an advertised item, I want to see the exchange location on a map embedded in a listing page.
- Tasks
  - 6a Embed a Google Map into each listing page centered on the user specified coordinates (2)

User Story 7: (4) As an item or offer poster, I want to be able to upload an image from my device directly to the app.
- Tasks
  - 7a Update listing an offer creation forms to accommodate the new image uploading feature (1)
  - 7b Hook into Imgur API to upload user's image and get the link to it. (3)

Team Roles
- Ian (Product Owner, UI Designer)
- Kenneth (developer, full stack)
- Gonzalo (developer, full stack)
- Hengtian (developer, frontend)
- Micheal (Scrum Master, backend)
- Daniel (developer)

Initial Task Assignment
- Ian: 2a, 7a, 7b
- Kenneth: 1a, 1b, 4a, 4b
- Gonzalo: 5a, 5b, 5c
- Hengtian: 6a
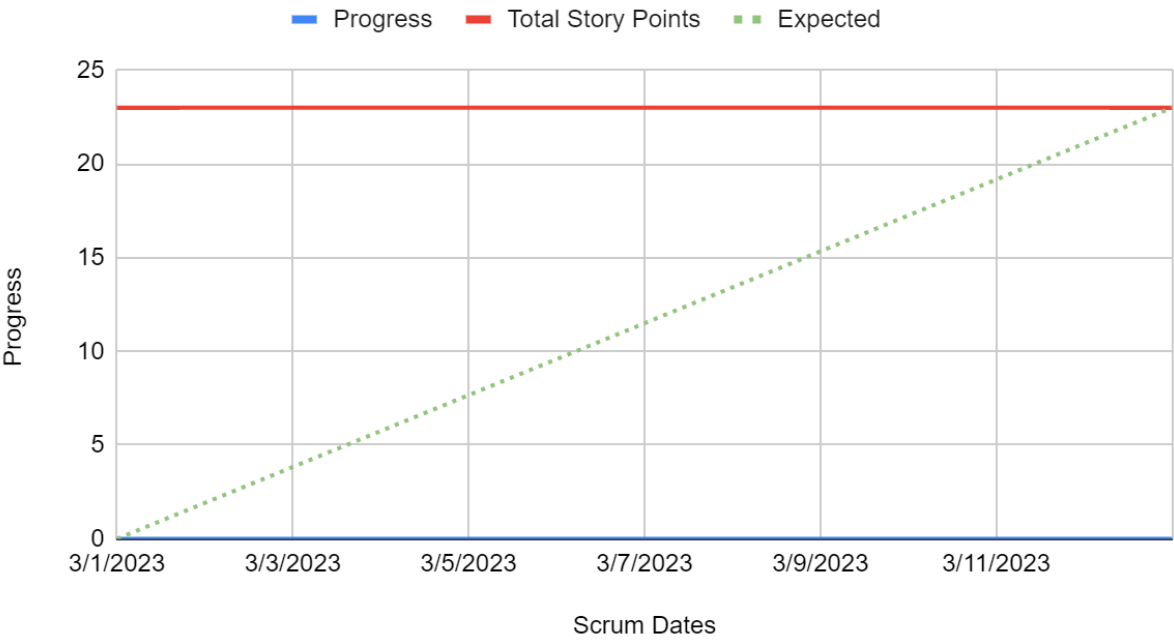- Micheal: 2a, 2b, 2c
- Daniel: 3a, 3b

Infrastructure Tasks:
Spikes
- Learn how to integrate imgur upload for seamless image uploading
- Learn how to use Google maps API to input and display location data

Initial burnup chart

Progress vs. Scrum Dates

Initial Scrum Board

Scrum Times:
9:05 - 9:20 MWF