Sprint 4 Plan

Heading:
Product name: PhotoOp
Team name: Team CIDL
Sprint completion date: 11/24/19
Revision number: 2
Revision date: 11/25/19

Goal:
- High level goal #2: Be able to recommend users picture-worthy places closest to their desired location

Task listing, organized by user story:
- User story 1: As a user I need to be able to input my desired location so that I can find locations closest to that
  - Task 1: Create front end UI component for user text input (1 hour)
  - Task 2: Parse the user text input and use it to calculate the distance between their location and recommended locations (0.5 hour)
  - Task 3: Display updated recommended location based on updated desired location (2 hours)
  - **Total for user story 1: 3.5 hours**
- User story 2: As a user, I need to be able to see recommended locations based on their proximity to my desired location
  - Task 1: Set up Google Maps Geocoding API (1 hour)
  - Task 2: Use the Geocoding API to get the coordinates of all the recommended photo locations and the user's desired location (3 hours)
  - Task 3: Calculate the distance between the user's desired location and each photo location and store it in a data structure (2 hour)
  - Task 4: Sort the data structure based on distances (1 hours)
  - Task 5: Create UI component to display the recommended photo locations as buttons (3 hours)
  - Task 6: Create UI components for details page that describes recommended location (1 hour)
  - Task 7: Allow user to navigate between home screen and location details screens (2 hours)
  - **Total for user story 2: 13 hours**
- User story 3: As a user, I need to be able to login so that I can save my preferred locations
  - Task 1: Create components for login screens (1 hour)
  - Task 2: Use firebase authentication module to authenticate user (4 hours)
  - **Total for user story 3: 5 hours**
- User story 4: As a user, I want a pleasant user interface and experience
  - Task 1: Add cohesive styling to all components (2 hours)

- ○ Task 2: Display comprehensive list of recommended locations (2 hours)
- ○ **Total for user story 4: 4 hours**

Team roles:
1. Iva: Developer
2. Chhavi: Developer, Scrum Master
3. Disha: Developer
4. Leah: Product Owner, Developer

Initial task assignment:

Iva	User story 2, task 1
Chhavi	User story 2, task 2
Leah	User story 1, task 2
Disha	User story 1, task 1

Initial burnup chart:
Link:
https://docs.google.com/spreadsheets/d/1JtPLROZvYxqNpnWj5NQhYVTbniBuh7TN7y80smYOF74/edit#gid=0

Trend and Story Points

— Trend   — Story Points

Scrum Meeting
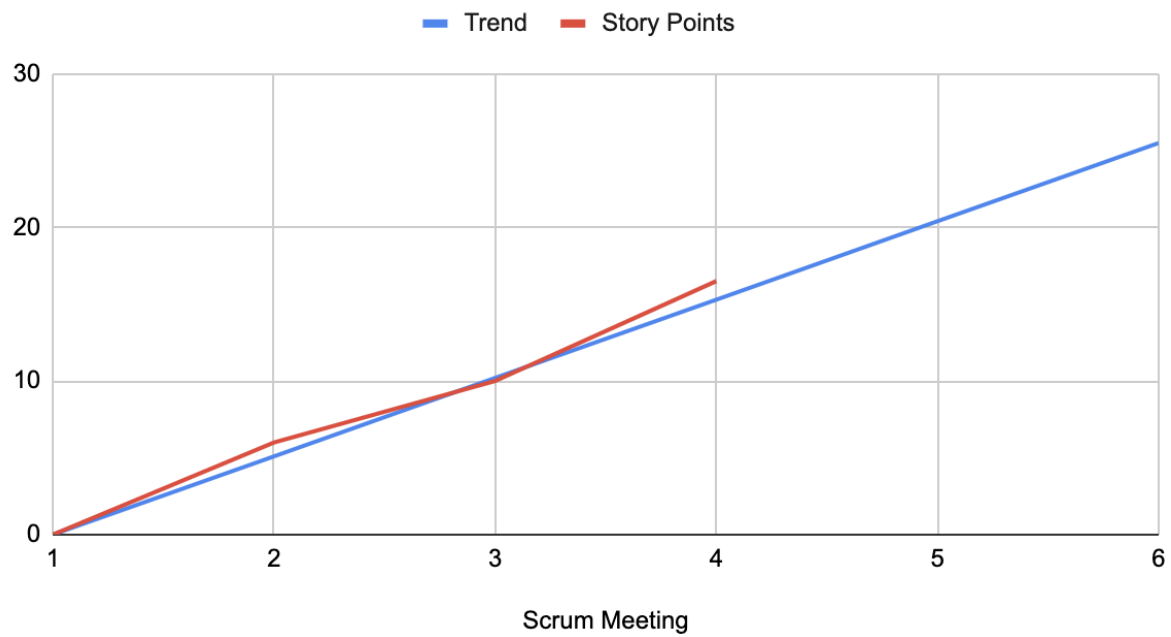
Initial scrum board:

Link: https://trello.com/b/dfiDCdjf/scrum-board

Not started

+ Add a card

In progress

Story 3, Task 1: Create components for login screens

LG

Story 3, Task 2: Use firebase authentication module to authenticate user

👁 C IP

Story 4, Task 1: Add cohesive styling to all components

👁 C IP

Story 4, Task 2: Display comprehensive list of recommended locations

DM

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Done

Story 1, Task 1: Create front end UI component for user text input

DM

Story 1, Task 2: Parse the user text input and use it to calculate the distance between their location and recommended locations

👁 C IP

Story 1, Task 3: Display updated recommended location based on updated desired location

👁 C IP

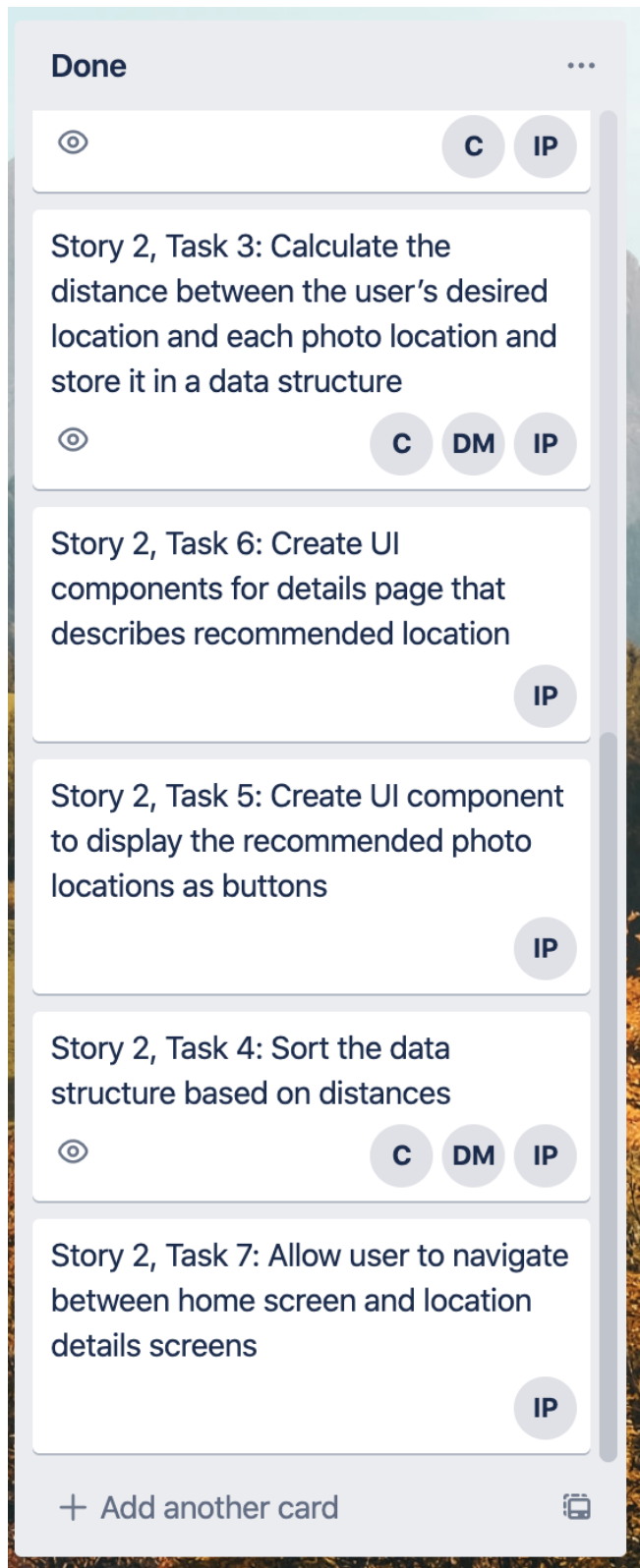Story 2, Task 1: Set up Google Maps Geocoding API

IP

Story 2, Task 2: Use the Geocoding API to get the coordinates of all the recommended photo locations and the user's desired location

👁 C IP

Story 2, Task 3: Calculate the distance between the user's desired

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Done column continued:

Done   ···

⊙   C   IP

Story 2, Task 3: Calculate the
distance between the user's desired
location and each photo location and
store it in a data structure
⊙   C   DM   IP

Story 2, Task 6: Create UI
components for details page that
describes recommended location

                                                IP

Story 2, Task 5: Create UI component
to display the recommended photo
locations as buttons

                                                IP

Story 2, Task 4: Sort the data
structure based on distances
⊙   C   DM   IP

Story 2, Task 7: Allow user to navigate
between home screen and location
details screens

                                                IP

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Scrum times:

- Mondays, 1:30-2pm
- Wednesdays, 4:30-5pm (TA meeting)
- Fridays, 1:30-2pm