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Sprint 2 Report

What things should we stop doing?

In order to be productive throughout the sprint, we should stop leaving the tedious tasks until the end. To distribute tasks more evenly and allow team members to learn more, we should stop letting members only choose the tasks that they are most comfortable with.

What should we start doing?

Since Sprint 1 when we realized that we needed to do more team programming, we unfortunately haven't implemented this practice. We need to start teaming up on larger tasks for pair programming and leave solo programming for smaller easier tasks. In addition, we should start communicating better as a team so we don't implement the same user stories. This can be achieved by setting up an online task assignment and programming board. Also we must better manage our team during a sprint.

What is working well that we should continue to do?

The fault reporting tool on github is working well for assigning people to user stories and resolving faults. Our frontend/backend division of labor is working very well, each team is very effective at their respective jobs. Code review before merging is reducing faults and allowing members who did not work on that part of the project to gain a good understanding.

What work was completed, and not completed?
Task Listing

✔ **COMPLETED:** As a developer
I want to be able to use the Google Maps API
So that I can get accurate location information
Score: 20
- ✔ Task:Research geojson api provided by google: 6 hours
- ✔ Task:Build Maps page: 3 hours
- ✔ Task:Integrate maps with already existing restroom data: 8 hours
- Total: 17 hours

✗ /✔ **PARTIALLY COMPLETED:** As a visitor
I want a simple and intuitive UI
So that I can easily navigate the website
Score: 13
- ✗ Task:Modify Navigation Bar so it works better on mobile platform: 4 hours
- ✗ Task:Customize bootstrap theme so the site has more character: 6 hours
- ✗ Task:Lists of restrooms/reviews autoload when user scrolls down: 5 hours
- ✔ Task:Design user profile interface for logged in members: 3 hours
- Total: 18 Hours

✔/✗ **PARTIALLY COMPLETED:** As a site user
I want to view the restroom on a map
So that I can visually locate restroom locations
Score: 3
- ✔ Task:Research how to drop pins on the google map : 3 hours
- ✗ Task:Search by address: 2 hours
- ✗ Task:Search by gps: 1 hours
- ✔ Task:Locate user based on gps and cell location: 4 hours
- ✔ Task:Retrieve GPS location of restrooms from database and place pins on map: 4 hours
- ✔ Task:Store GPS pin location to appropriate restroom: 3 hours
- Total: 17 hours

✔ **COMPLETED:** As a site user
I want to be able to flag restrooms for unsanitary conditions
So that I can decide whether a restroom is safe and clean
Score: 5
- ✔ Task:Create restroom flags django model: 4 hours
- ✔ Task:Create restroom flags middletier api: 2 hours
- ✔ Task:Create restroom flags javascript api: 1 hours
- ✔ Task:Create inline Restroom Flagging Interface: 4 hours
- ✔ Task:Incorporate restroom flags into rankings & toilet listings: 4 hours
- Total: 15 Hours

✓ **COMPLETED:** As a site user
I want to be able to confirm or deny flags of restrooms
So that I can update a restroom flag if the condition has changed.
Score: 5
- ✓ Task:Create restroom flag "votes" django model: 4 hours
- ✓ Task:Create restroom flag "votes" middletier api: 2 hours
- ✓ Task:Create restroom flag "votes" javascript api: 1 hours
- ✓ Task:Create restroom flag "voting" interface: 4 hours
- ✓ Task:Incorporate restroom flag "votes" into restroom flag listings: 4 hours
- Total: 15 Hours

✓ **COMPLETED:** As a site user I would like a manual to teach me how to use toilet mapper so that I can interact with the site more effectively.
Score: 5
- ✓ Task:Decide upon a documentation style: 1 hour
- ✓ Task:Document existing code: 4 hours
- ✓ Task:Maintain documentation on current code: 5 hours
- Total: 10 hours

✓ **COMPLETED:** As a developer
I would like automated unit testing
so that my code changes do not break existing systems.
Score: 8
- ✓ Task:Write unit tests for toilet middle tier: 4 hours
- ✓ Task:Write unit tests for user creation/sign in: 4 hours
- ✓ Task:Write unit tests for database: 4 hours
- Total: 12 hours

104 ideal hours of work planned
86 ideal hours of work completed

What is our rate of completing work?

Sprint Duration (workdays)	15 days
Total Ideal Work Hours	86 hours completed / 104 ideal hours planned
Total Story Points	43 story points completed / 59 story points planned
[Sprint 2 Average] Work Hours / Day	86/15 = 5.7 hours / day
[Sprint 2 Average] Story Points / Day	43/15 = 2.9 points / day
[Sprint 1 & 2 Avg] Work Hours / Day	(68 + 86) / (9 + 15) = 6.4 hours/day
[Sprint 1 & 2 Avg] Story Points / Day	(35 + 43) / (9 + 15) = 3.2 points / day

Burnup Chart
Our burnup chart is in Baskin Engineering 379E.