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### Housify: Sprint 4 Report

#### **Actions to stop doing:**

- 1) Need to stop procrastinating sprint tasks
  - a) We had a lot of workload in Sprint 4 due to task buildup from other sprints. Looking back, we could have managed our time better and had a more stable sprint velocity instead of letting the tasks slide to the last sprint
- 2) Need to stop underestimating task difficulty
  - a) We had a lot of issues/delays due to underestimating task difficulty, would definitely need to improve estimating story difficulty through practices such as Planning Poker in the future
- 3) Need to stop assuming components work → need to test and verify
  - a) We had a lot of issues making assumptions → we need to test our components work as intended before making such assumptions

#### **Actions to start doing:**

- 1) We need to start integrating testing and validation into our development process

- a) That is, we already do testing and validation, but we think that integrating it more directly with our sprint plan, through methodologies such as Test-First-Development(TDD) could be useful to our process
- 2) We need to do more research into the technologies we use in the future
  - a) We found that we tended to dive right into the various technologies that we used, and we came to the conclusion that perhaps more research before jumping in can be helpful for our productivity

**Actions to continue doing:**

- 1) We need to continue working together in the same working environment
  - a) We found that since we all lived in the same house, it made our process a lot easier, and we hope to continue to do so in the future!
- 2) We found that designing our system in Design Docs really helped our productivity
  - a) We hope to continue this good practice, due to the fact that it provided a good understanding of the overall system, what needs to be done, and it helped us catch errors pretty quickly

**Worked Completed/Not Completed:**

List of User Stories Completed in Previous Sprint:

- 1. As a prospective tenant user, I would like to reach out to a potential landlord about their property
- 2. As a secured tenant user, I would love to be able to contact my landlord or message other tenants in the house

3. As a landlord, I would love to be able to message my tenants for my business needs
4. As a general user, I would like to be able to communicate with my housing group
5. As a secured tenant, I would like to be able to pay my rent to my landlord easily
6. As a secured tenant, I would like to be able to pay other secured tenants for common housing costs

List of User Stories Not Completed During This Sprint: NA

### **Work Completion Rate**

Total Number of User Stories Completed During Previous Sprint: 6

Total Number of Estimated Work Hours During Previous Sprint: 29

Total Number of Days During Previous Sprint: 14 days

User Stories/Day(Previous Sprint): 0.42

Work Hours/Day(Previous Sprint): ~8-9 (btw all team members)

Metrics for all Sprints up till now:

User Stories/Day = 0.392

Work Hours/Day = ~2

Burn-up Chart:

# Sprint 4 Burnup Chart

