

## Sprint Report Template - CMPS 115 – Software Methodology

The sprint report must contain the following elements:

Sprint 2 Report, Receipt Mobile App, Awesome Receipt Mobile App, 05/07/2024

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

These are the activities or actions the team determined they should stop doing. This is the answer to the question, "What things should we stop doing?" The items should take the form of a brief description of what the team wants to stop doing, followed by a brief explanation. If there are no items, this section should describe why the team is completely satisfied with their current process.

Examples: The team should stop holding daily scrum meetings at 7am in the morning, because nobody can make that meeting time. The team should stop allowing daily scrum meetings to go over 15 minutes, because the meetings are less effective that way.

Our team is completely satisfied with their current process, and the scrum meetings are kept under 15 minutes and also the meetings do not go off topic. We ask the three questions and are making consistent progress towards the tasks.

• **Actions to start doing:** These are the activities or actions the team would like to start doing to improve their development process. This is the answer to the question, "What should we start doing?" The items should take the form of a brief description of what the team wants to start doing, followed by a brief explanation.

Examples: The team should schedule more group work sessions, since these are very effective at getting work done. The team should be more accurate at estimating work tasks, since tasks were consistently under-estimated last sprint.

- Team should be more accurate at estimating work tasks, we plan on doing Planning Poker for sprint task estimates.
- More unit-testing
- Greater documentation
- Have more concrete user stories with clearer gates for completion

• **Actions to keep doing:** This is the answer to the question, "What is working well that we should continue to do?" The items should take the form of a brief description of what the team wants to start doing, followed by a brief explanation.

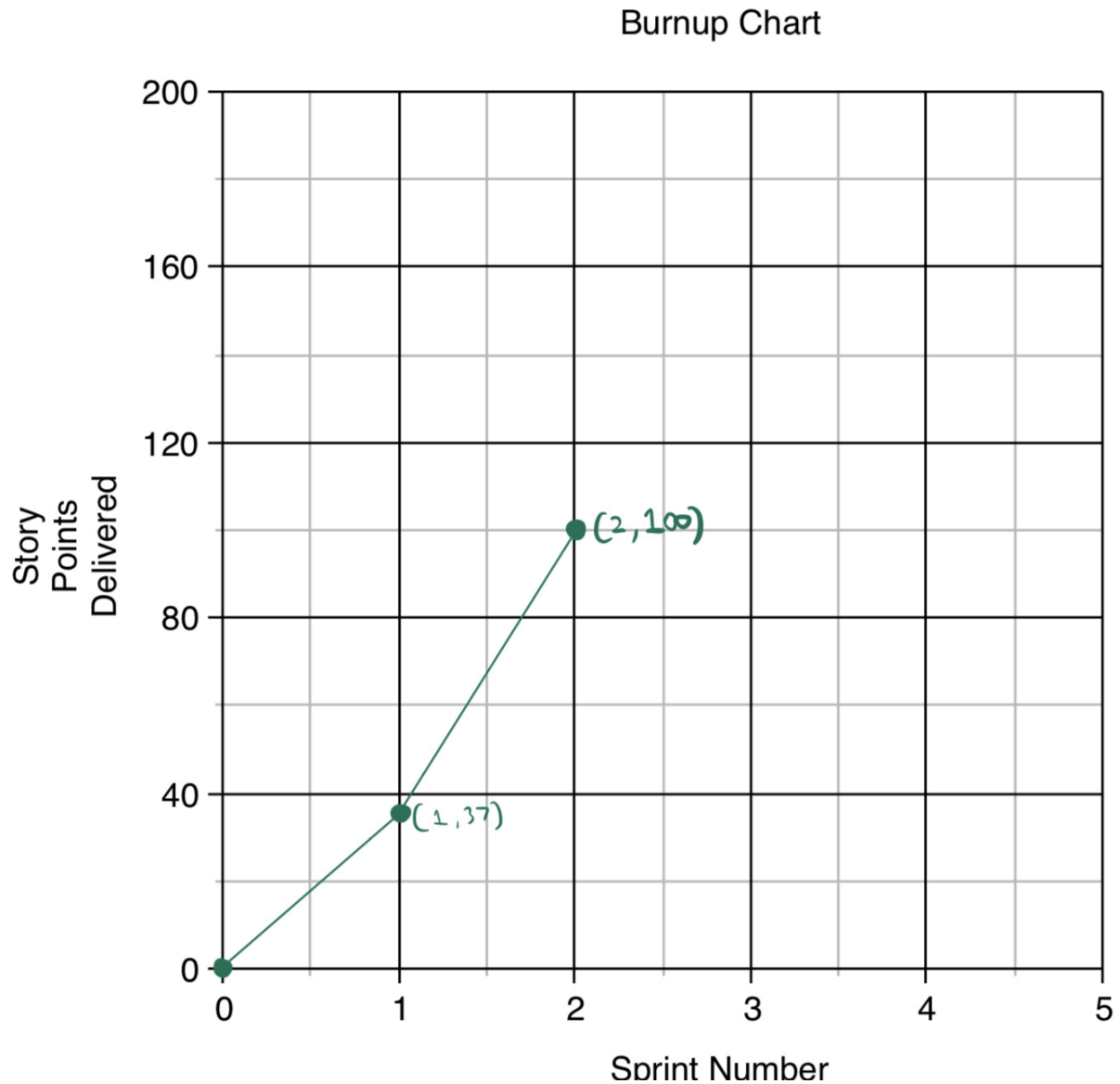
- Working on Scrum Plans and Reports as a team.
- Announcing updates to the team about our individual progress
- Keeping Scrum meetings quick and to the point
- Schedule tuesday meetings at 6pm for things like sprint report, next sprint plans

• **Work completed/not completed:** This is a list of the user stories that were completed

during the previous sprint, and a list of the user stories not completed during this sprint (but which were part of this sprint, and were in the sprint plan).

- ☒ ~~“As a user, I want the app to recognize receipts from different stores”[21] (maybe Costco first?)~~
  - Task 1: Recognition of certain store receipt (2 hours)
  - Task 2: Display which store was determined (30 minutes)
  - Task 3: Build library of stores that are to be recognized (3 hours)
- ☐ “As a user, I want to assign different people lines on a receipt.”[13]
  - Task 1: Use the dictionary produced by OCR to determine items {key(item name): value(item price)} (30 minutes)
  - Task 2: Assign items to different names of the group (1 hour)
  - Task 3: Divide the price of each item by however many people are holding the same item (1 hour)
  - Task 4: Total the price for each person (1 hour)
- ☒ ~~“As a user, I want to be able to have high accuracy when scanning receipts”[21]~~
  - Task 0: Integrate an in-app scanner(3 hours)
  - Task 1: Develop algorithm for processing receipt scanned with some form of error checking (2 hours)
  - Task 2: Implement algorithm (30 minutes)
  - Task 3: Design means of rectifying error in scan by either prompting a new scan, or reprocessing the information (30 minutes)
  - Task 4: Test for sufficient accuracy (2 hours)
- ☒ ~~“As a user, I want to create and save people names for assigning receipt costs”[13]~~
  - Task 1: Adding a save functionality (1 hour)
  - Task 2: Display saved names (1 hour)
  - Task 3: Redesigning “Define Groups” menu (2 hours)
- ☒ ~~“As a User, I want the application to process pictures quickly” [8]~~
  - Task 1: Optimize implementation of MLkit and algorithm for parsing OCR output (2 hours)
  - Task 2: Optimize math done to determine total outputs (45 minutes)

• **Work completion rate:** This section should report the following: total number of user stories completed during the prior sprint. Total number of estimated ideal work hours completed during the prior sprint. Total number of days during the prior sprint. For the previous sprint, the user stories/day and ideal work hours/day figures should be reported. For sprints past the first sprint, this section should also provide the average user stories/day and average ideal work hours/day figures computed across all sprints to date. The final sprint burnup chart for the previous sprint should be available for viewing in the lab and an email of this chart sent to the TA/prof.



total number of user stories completed during the prior sprint.	4
Total number of estimated ideal work hours completed during the prior sprint.	20h15m
Total number of days during the prior sprint.	14
For the previous sprint, the user stories/day and ideal work hours/day figures should be reported	$5/14 = 0.357$ User Stories/Day

For sprints past the first sprint, this section should also provide the average user stories/day.	.286 User Stories/Day to complete all user stories
average ideal work hours/day figures computed across all sprints to date.	1.054 Hours/day