G7T4

TEAM PONG PONG

Members:

Amos Tan Wei Jie

Jennifer Yap Swee Lian

Koh Chu Qian

Tang Shing Hei

Remy Ng Zheng Yao

CONTENT

- **Schedule**
- **Work Breakdown**
- **Problems faced**
- **Schedule and Bug Metrics**
- **GIT**
- **Main Takeaways**
- **Team Conflicts**
- **Interesting Things About Our Team Members**

SCHEDULE

FUNCTIONALITIES

- Black Band

- No functionalities were dropped

FRAMEWORKS & LIBRARIES

- Frameworks used
  - Spring Framework
  - Hibernate Framework
- External Libraries used
  - OpenCSV
  - Jackson API

SCHEDULE

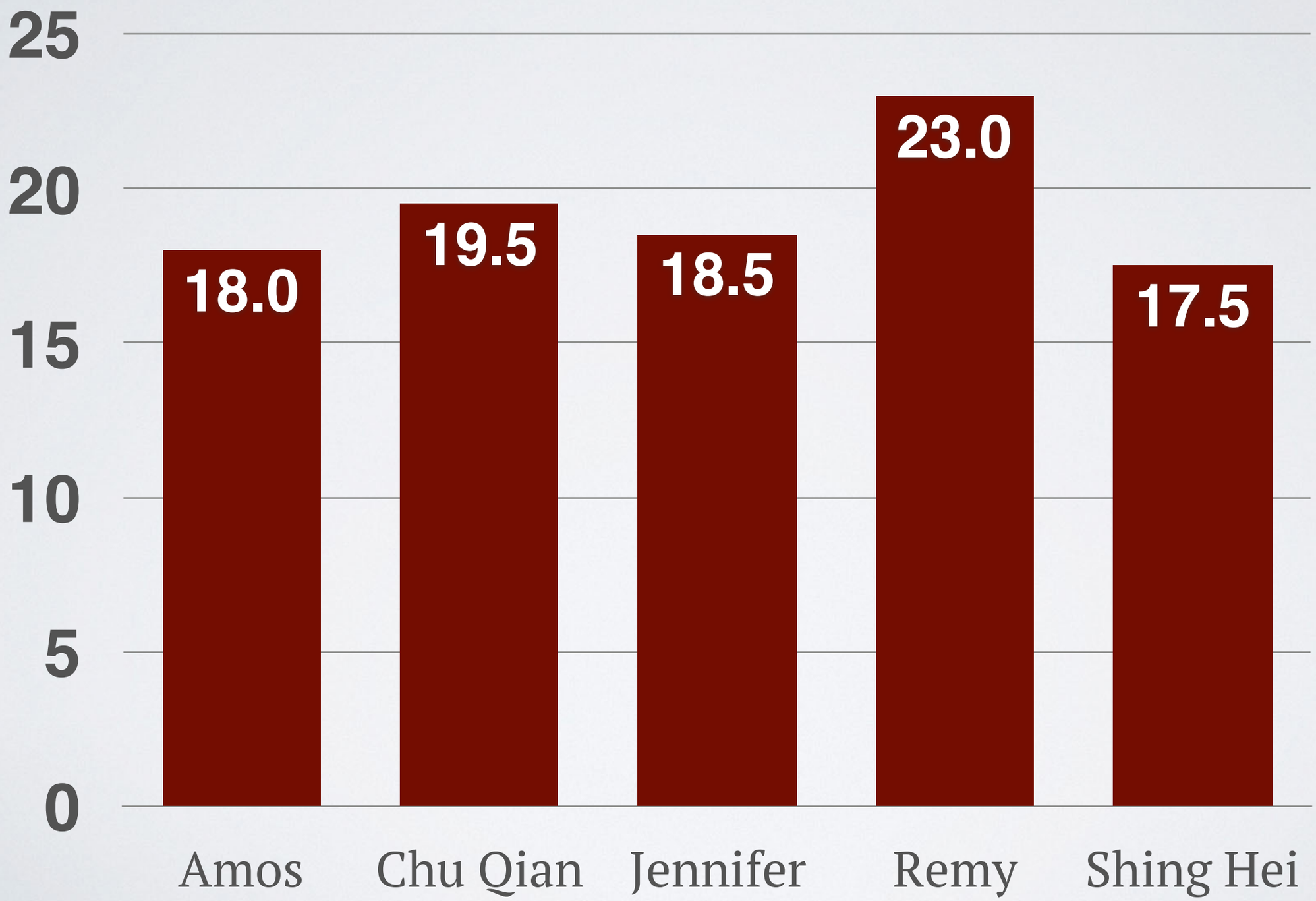
PLANNED

1	2	3	4	5	Buffer	6
11 days	8 days	11 days	8 days	8 days	5 days	11 days

ACTUAL

1	2	3	4	5	6
14 days	9 days	12 days	8 days	8 days	11 days
17/09 - 30/09	01/10 - 09/10	10/10 - 21/10	22/10 - 29/10	30/10 - 7/11	08/11 - 18/11

NON PROGRAMMING HOURS



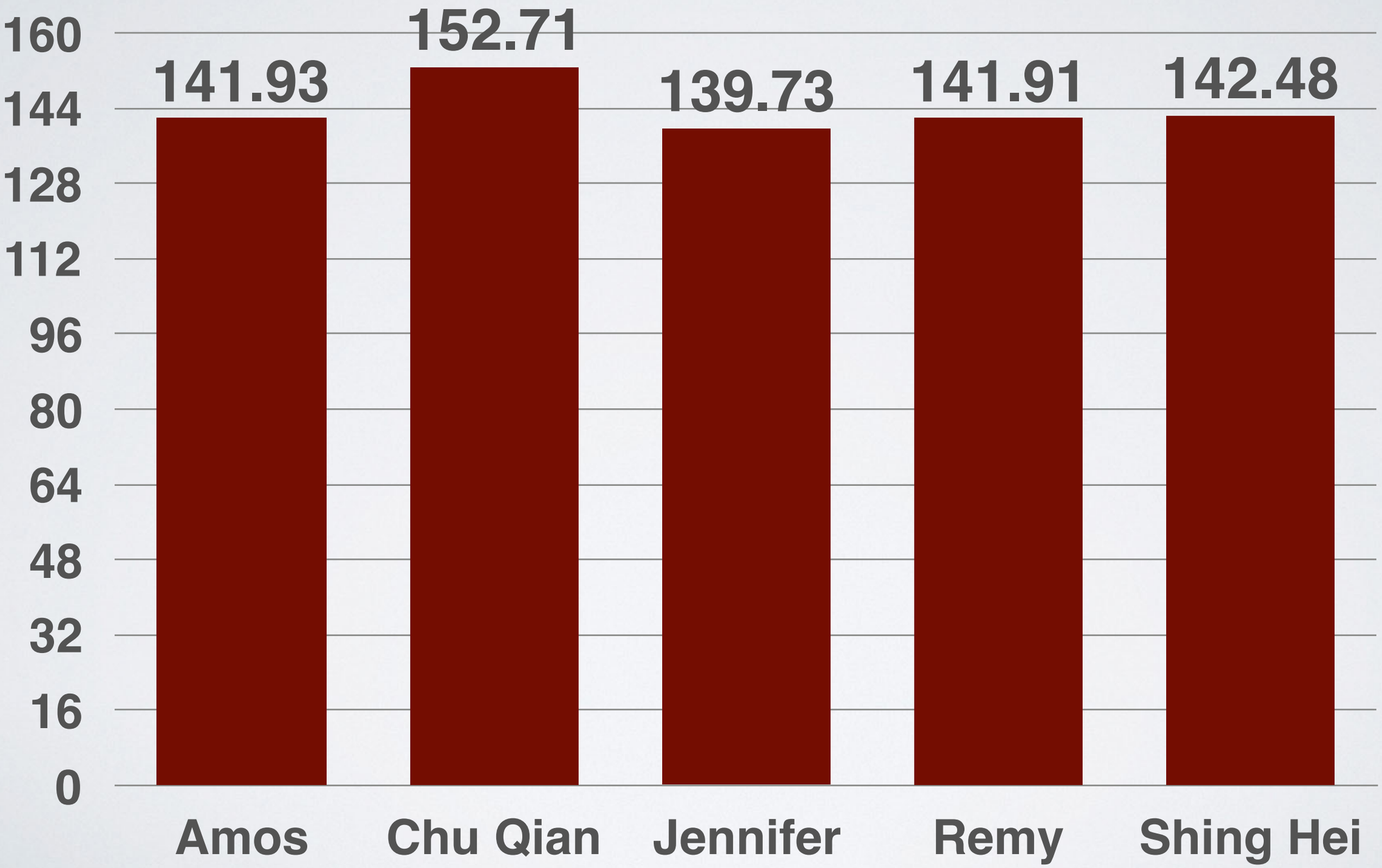
PROGRAMMING HOURS

Functionality	Amos	Chu Qian	Jennifer	Remy	Shing Hei
Login	12.5 (50%)	0 (0%)	0 (0%)	0 (0%)	12.5 (50%)
Bootstrap	5.1 (6.6%)	11.06 (14.3%)	25.3 (32.8%)	33.57 (43.5%)	2.13 (2.8%)
Top K	0 (0%)	4.9 (8.1%)	26.17 (43.3%)	4.02 (6.7%)	25.29 (41.9%)
Basic App	34.39 (40.6%)	34.38 (40.6%)	7.94 (9.4%)	7.95 (9.4%)	0 (0%)
Smartphone Overuse	0.97 (5.6%)	0 (0%)	7.69 (44.4%)	0.97 (5.6%)	7.69 (44.4%)

PROGRAMMING HOURS

Functionality	Amos	Chu Qian	Jennifer	Remy	Shing Hei
Location Delete	0 (0%)	11.16 (50%)	3.57 (16.0%)	7.59 (34.0%)	0 (0%)
Heat map	9.05 (28.1%)	7.04 (21.9%)	7.04 (21.9%)	0.98 (3.0%)	8.07 (25.1%)
Social Activeness	15.43 (50%)	0 (0%)	0 (0%)	0 (0%)	15.43 (50%)
Advanced Smartphone Overuse	10.76 (31.5%)	0 (0%)	0 (0%)	17.06 (50%)	6.3 (18.5)%
Debugging/ Documentation/Integation	53.73 (16.1%)	84.17 (25.1%)	62.02 (18.5%)	69.77 (20.8%)	65.07 (19.4%)

PROGRAMMING HOURS



WORK ALLOCATION

- Everyone has been allocated to a difficult task at least once
- +/- 10% programming hours variance

PROBLEMS FACED (Schedule)

EXPECTATION GAP

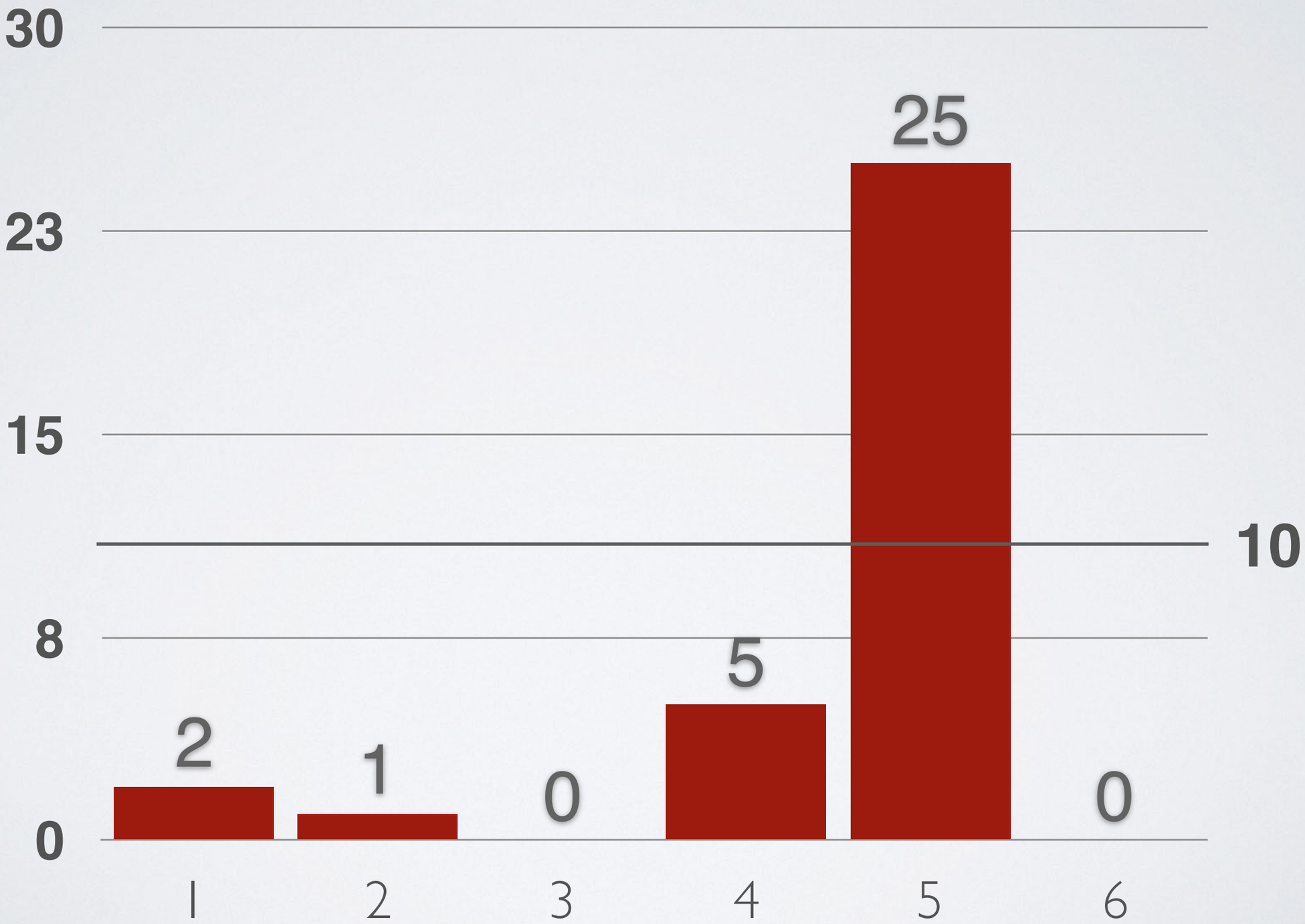
- Expectation Gap (Planned VS Actual)
  - Increase hours across all functions after Iteration 1
  - More research hours
  - Matching PP hours for functions with similar difficulty

SCHEDULE CONFLICTS

- Clashing schedules
  - Common free time among pairs
- Running PPs in parallel
  - Git conflicts might arise when pushing
    - ✓ Pull first before pushing
    - ✓ Inform PP teams of parallel sessions

SCHEDULE & BUG METRICS

BUG METRICS



SCHEDULE METRICS

PROBLEMS FACED

(Schedule Metrics and Bug Metrics)

DELAYING OF ITERATION

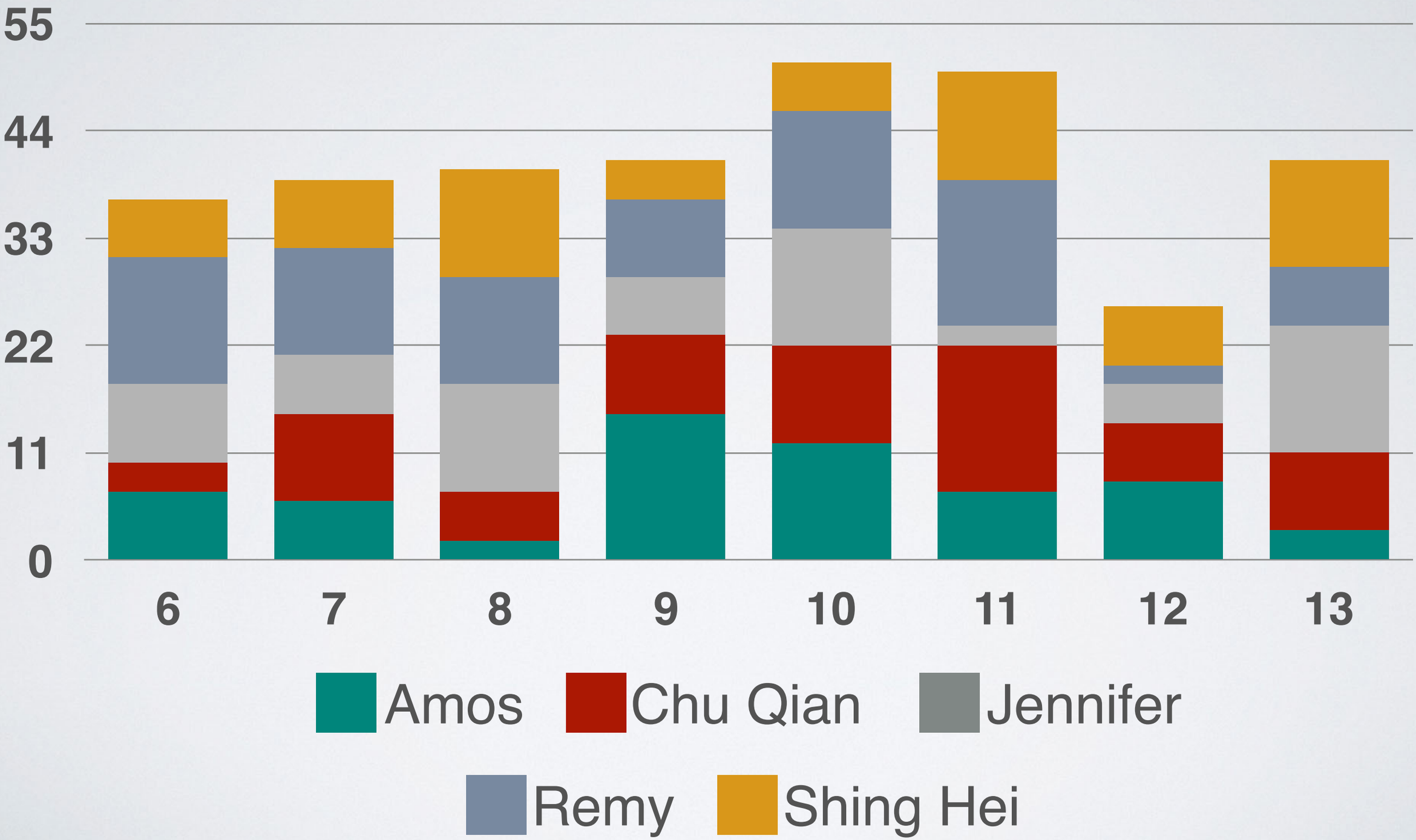
- Towards the end of Iteration 2, bug metrics > 10
- Delaying iteration to resolve bugs
  - Buffer days taken into consideration

SCOPE CHANGE

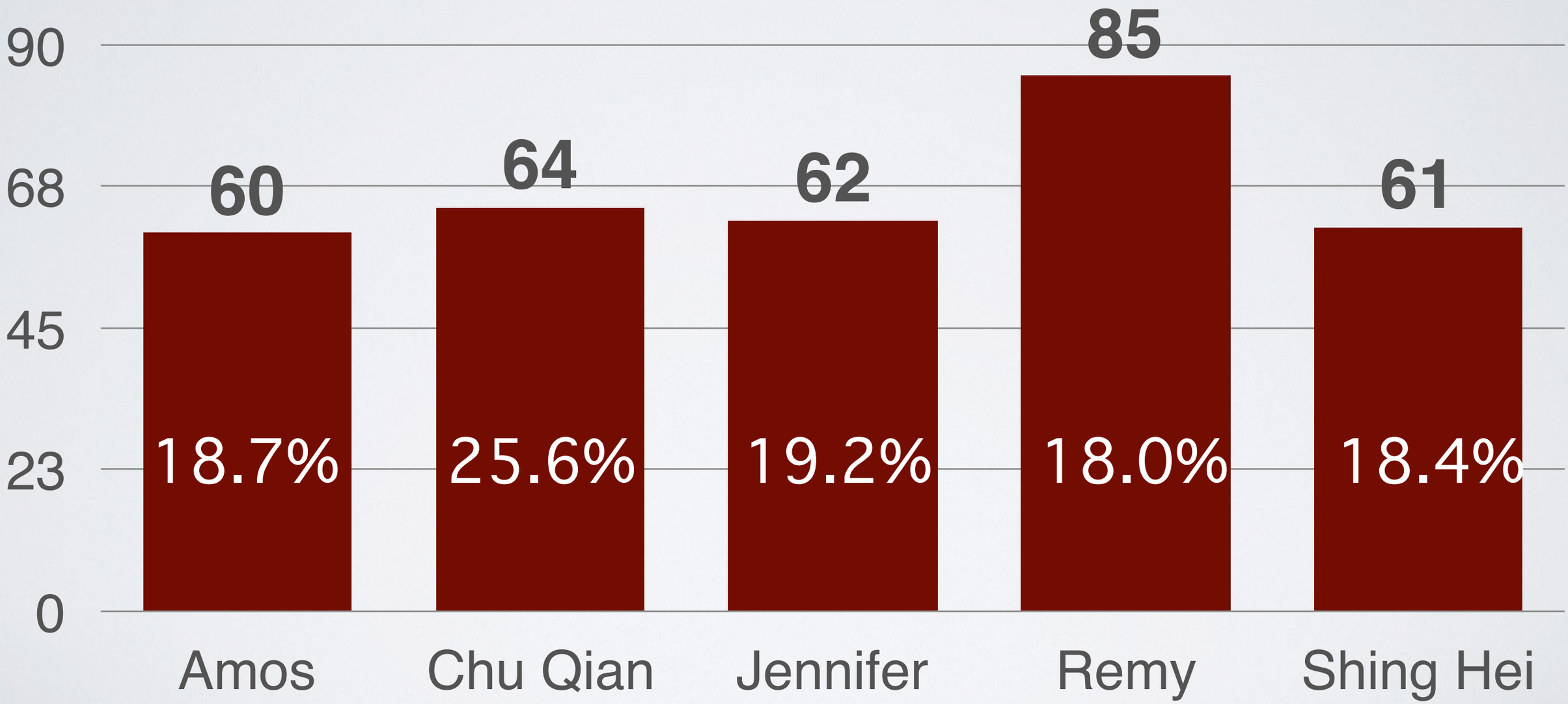
- Scope Change
  - Changes to wiki might cause schedule to be delayed (Feature Boxer)
  - Changes to subsequent iterations' schedules

GIT

GIT COMMITS OVER WEEKS



GIT COMMITS


90
68
45
23
0
60
64
62
85
61
18.7%
25.6%
19.2%
18.0%
18.4%
Amos
Chu Qian
Jennifer
Remy
Shing Hei

AUDIT ERROR NO. 1

- 07/11/2015 @ 01:10
- Due to human error
- Pull was done after editing test cases for excel files
- Merge caused the error to occur
- No source codes were edited

AUDIT ERROR NO. 2

- 04/10/2015 @ 23:44
- Occured very early on in the project (Iteration 2)
- Was mainly due to restructuring of folder to shift javadocs to appropriate folder

AUDIT ERROR NO. 3

- 27/09/2015 @ 17:56
- Occured during Iteration 1
- Due to PPLog being unable to stop
- Pair was desperately trying to stop the PP Session
- Pair did not select the commit to the app folder as it did not show up on PP Log

MAIN TAKEAWAYS

TAKEAWAYS

- Spring/Hibernate Framework
- Planning schedules
- Adapting to change
- Managing communication
- People management

TEAM CONFLICTS

TEAM CONFLICT

- Differing opinions
  - Listen to what each individual has to say and come up with an agreeable solution

INTERESTING THINGS ABOUT OUR TEAM MEMBERS

JENNIFER

- Can sleep anywhere
- Blur

SHING HEI

- Randomly angst
- Pretty cool kid
- Meticulous

AMOS

- Can sleep anywhere

CHU QIAN

- Loves green
- Loves Koi

REMY

- Can sleep anywhere
- Loves Koi

THANK YOU!

Q & A