MiYE – Mud in Your Eye

Resort Spa Reservation Application

Application Features

LOGIN - USER AUTHENTICATION & AUTHORIZATION

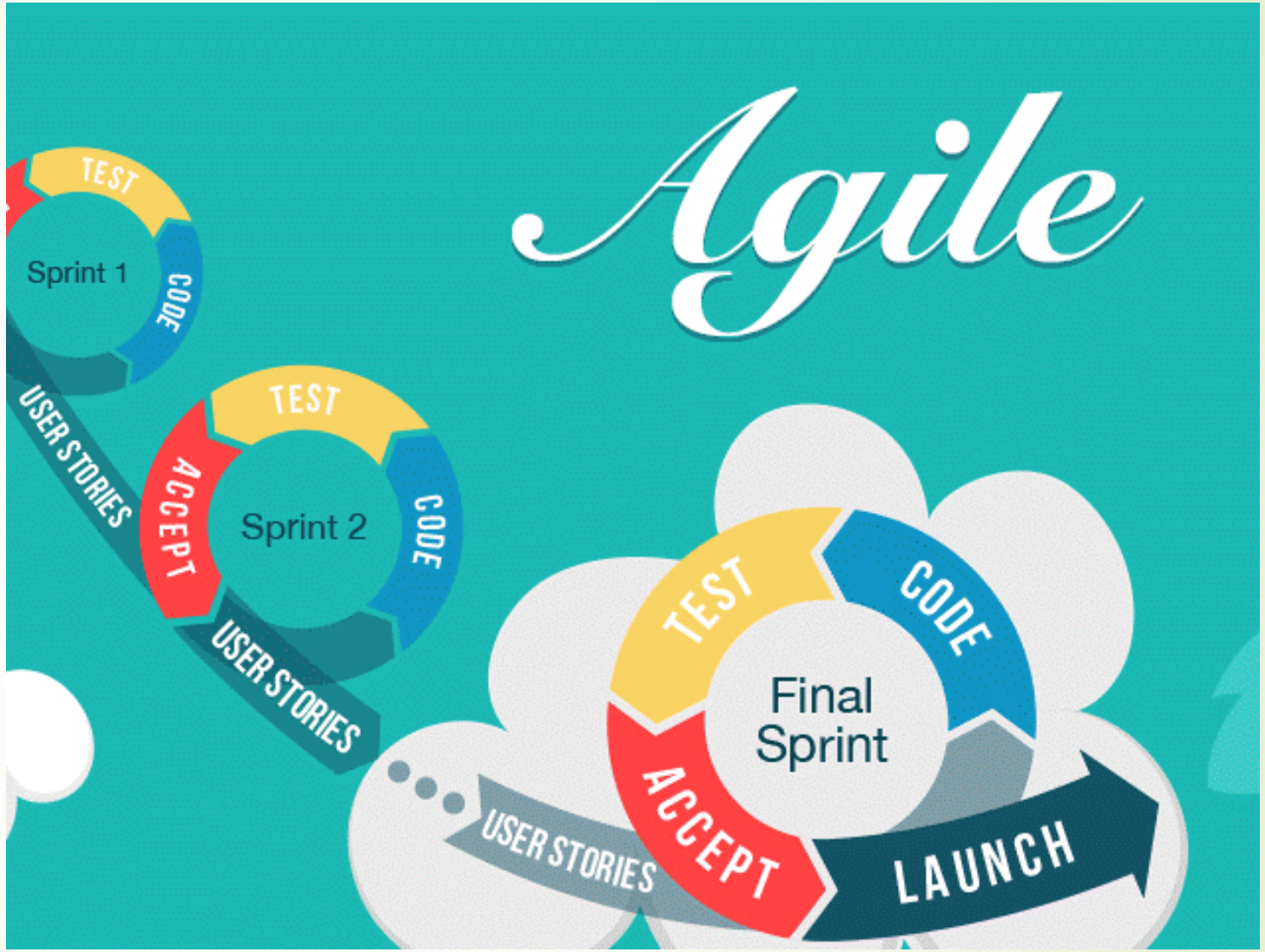
MANAGEMENT – SERVICE & CUSTOMER

RESERVATIONS – CREATE, CANCEL & VIEW

BILLING – VIEW & PRINT SERVICE REPORTS

Agile Software Development Process

- User Stories
- Planning Poker (time estimates)
- Communication Paths
- Multiple Iterations
- Testing
- Milestone Deliverable



Tools & Applications

Language: Python 3

Framework: Django

Frontend: jquery/html/ES6

Database: SQLite 3

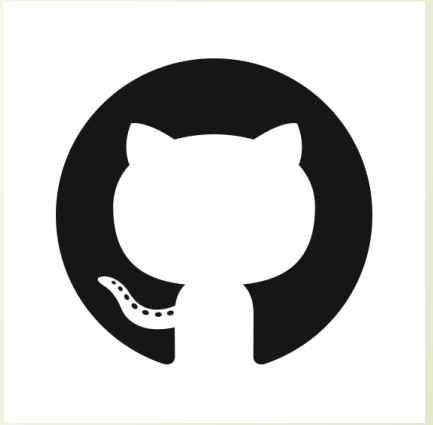
GitHub

Slack

Trello

Zoom

OneDrive



Getting Our Process Started

Established clear communication paths

GitHub Slack
Trello Email

Define best practices and conventions

Pilone & Miles
Team Experience

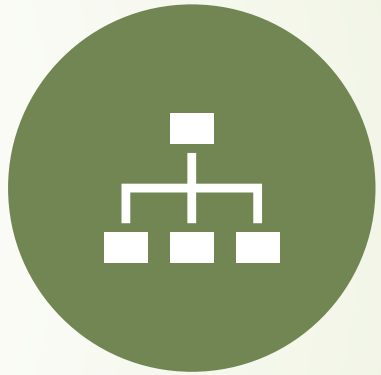
Create a meaningful definition of done and good enough

Reviewed Timeline
Managed Expectations

Next...

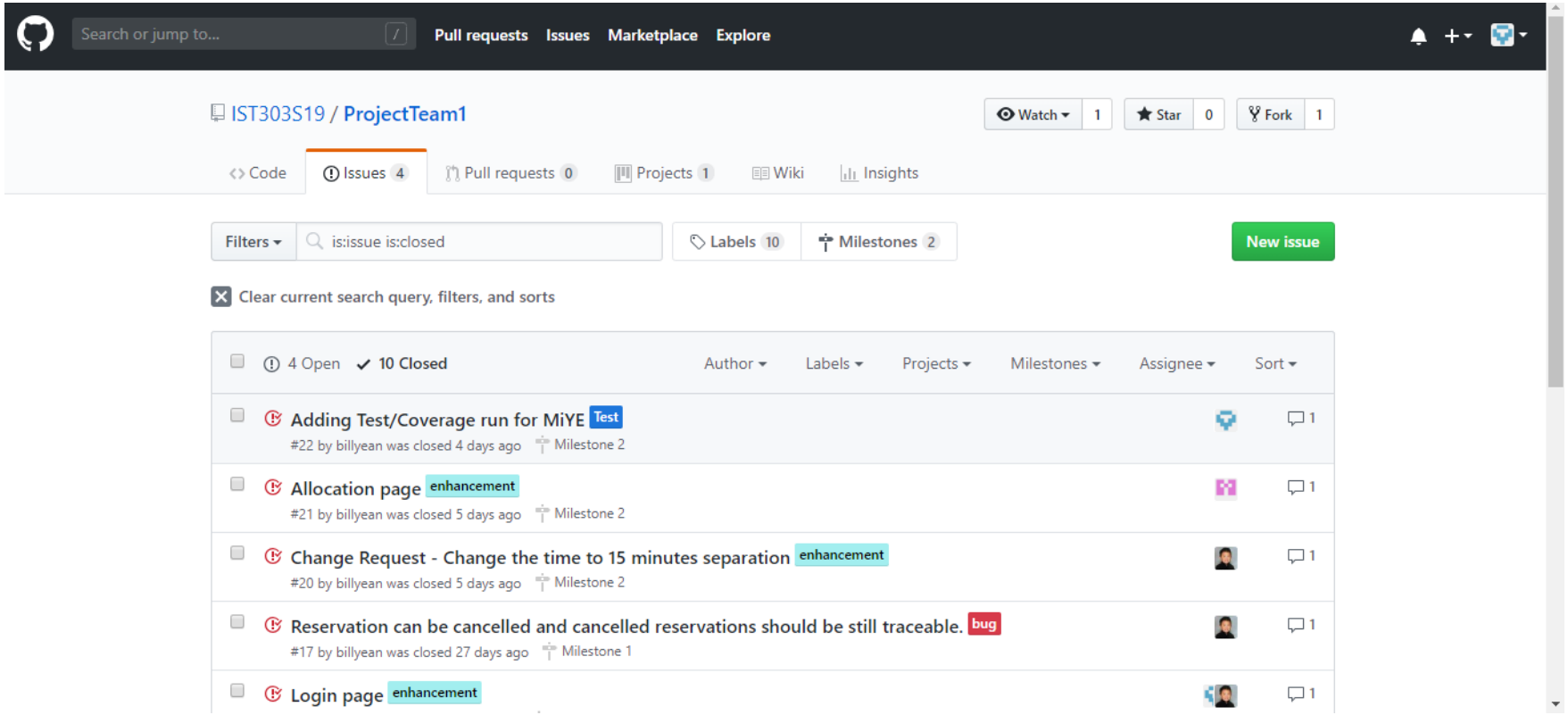
SET UP OUR ENVIRONMENT, TOOLS, AND APPLICATIONS

AVOID HAVING MULTIPLE DOCUMENT MANAGEMENT SYSTEMS

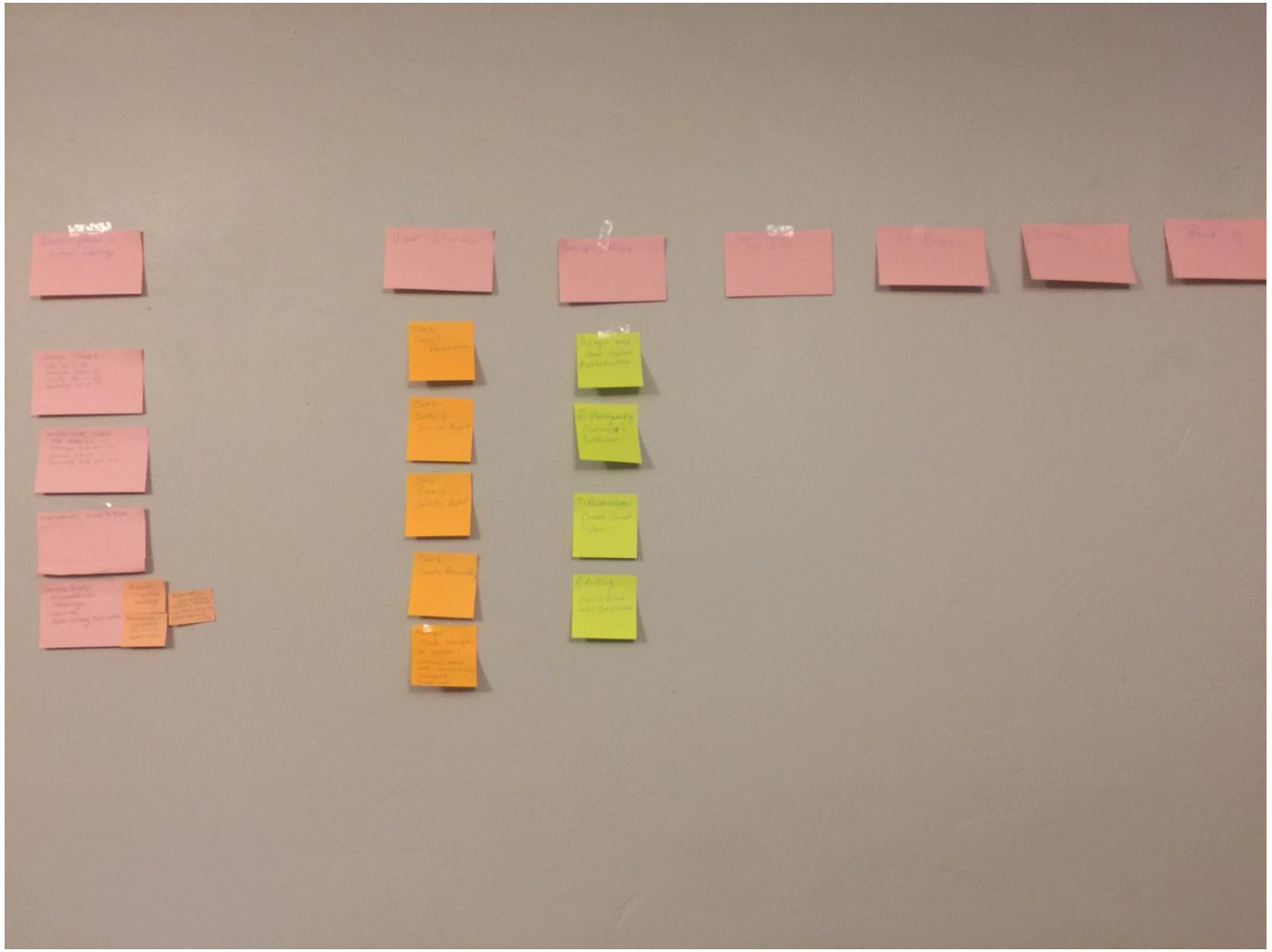


PREPARED THE CODEBASE AND PROJECT STRUCTURE

Git Hub Repository



Big Board version 1



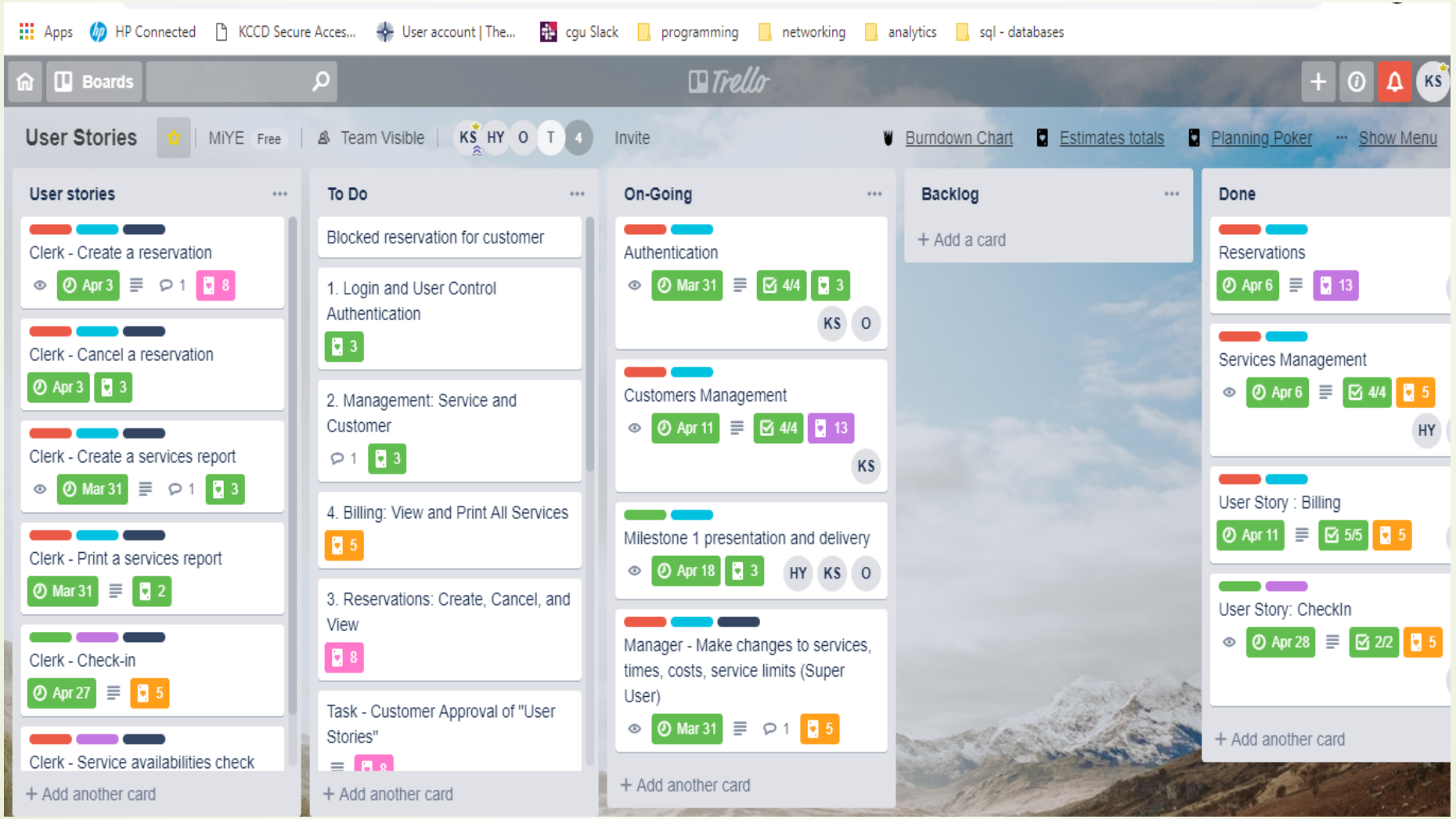
Hours Est.	Spent	
0	0	1. Login and User Control Authentication
0	0	2. Management: Service and Customer
0	0	3. Reservations: Create, Cancel, and View
0	0	4. Billing: View and Print All Services
0	0	User Story : Billing
0	0	User Story: CheckIn
8	8	Clerk - Create a reservation
6	5	Clerk - Cancel a reservation
7	7	Clerk - Create a services report

Time Estimates

What We Learned in Milestone 1

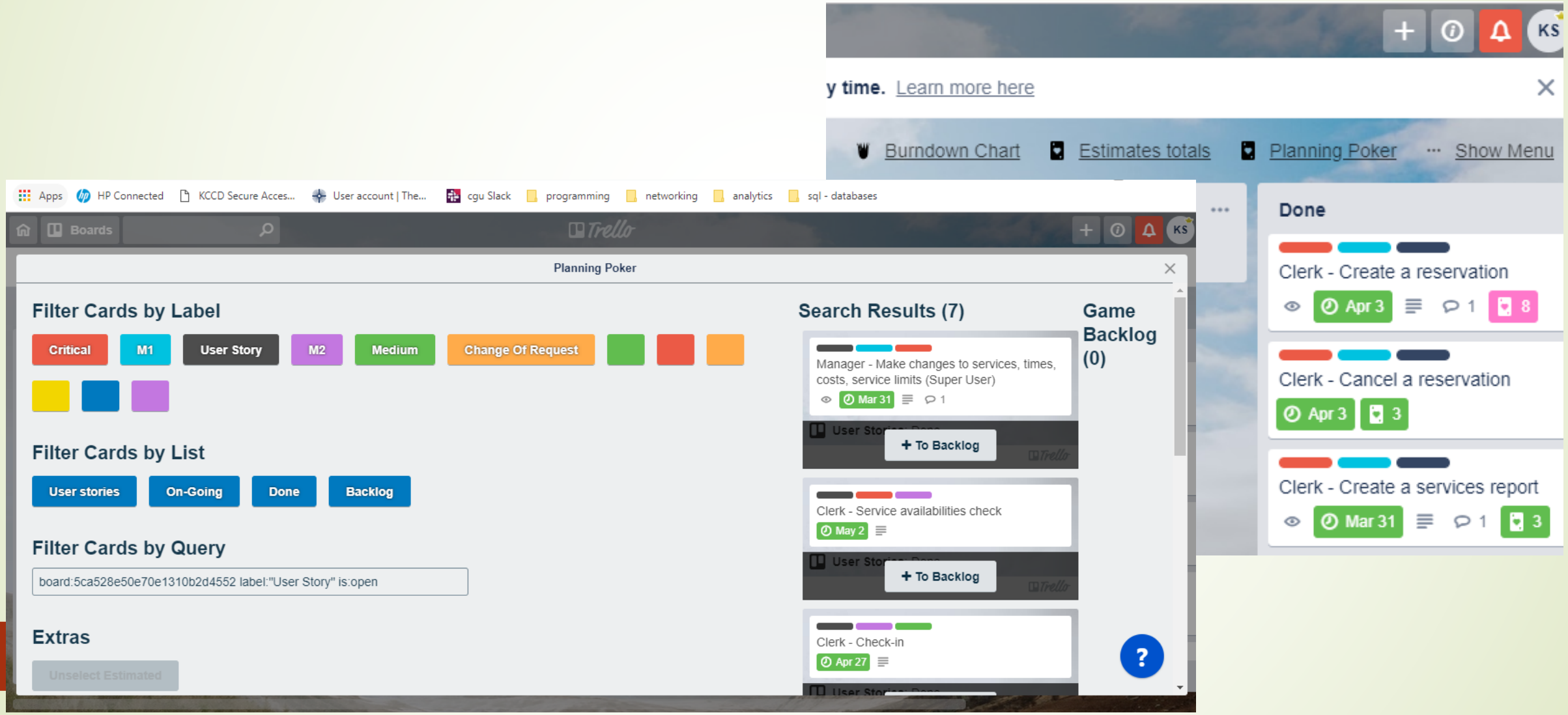
- A "Sticky Note" Big Board is difficult to use when the team is not in one location.
- Planning Poker takes practice within a team with highly experienaced to novice developers.
- Definitions help!!!
  - Effort vs Time Estimate
  - Hours of work vs Number of days
- To manage team expectations not just customer expectations.
- Increase Communication.

Changes in Our Process:
Moved "Sticky Note" Big Board to Trello

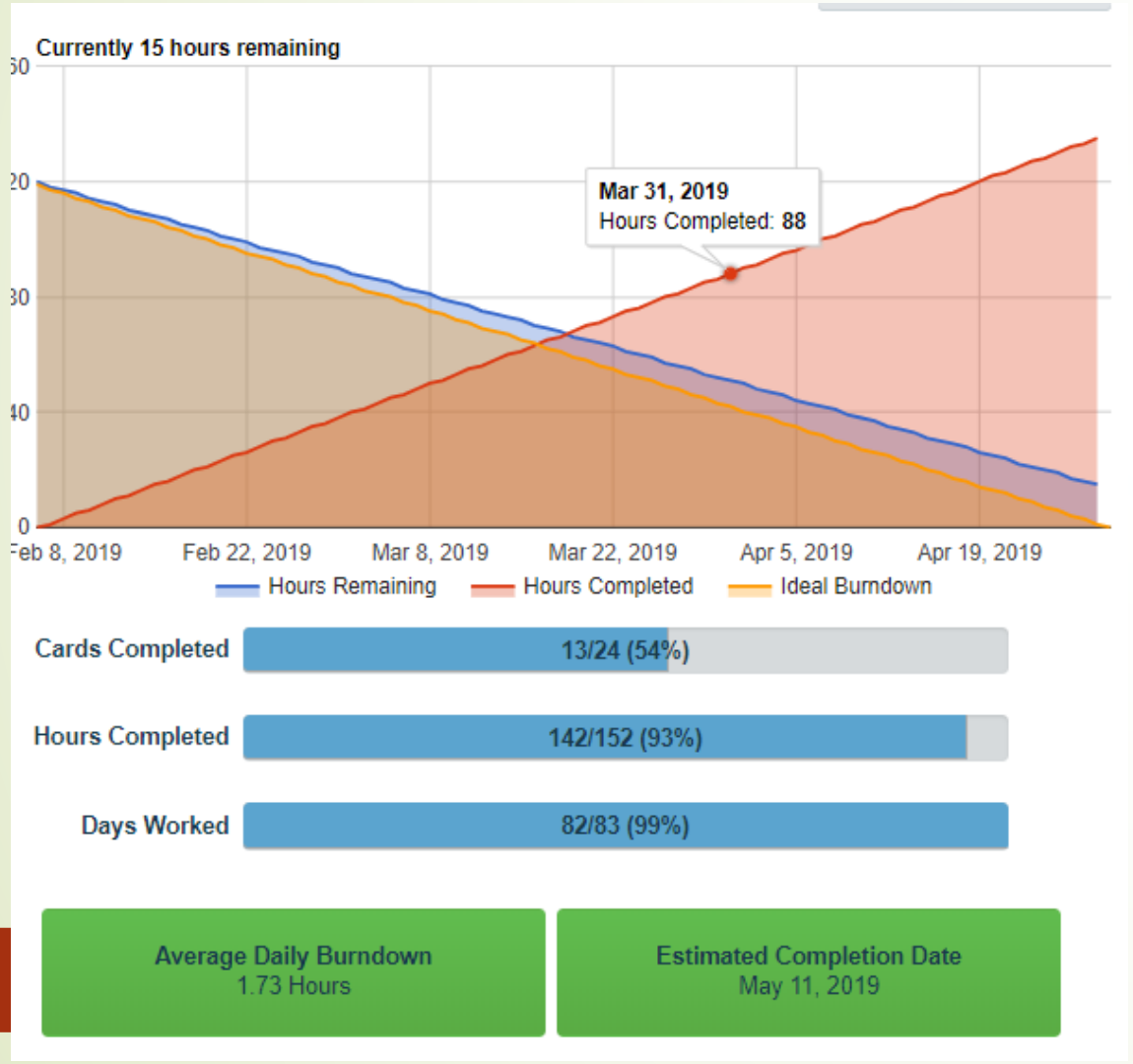


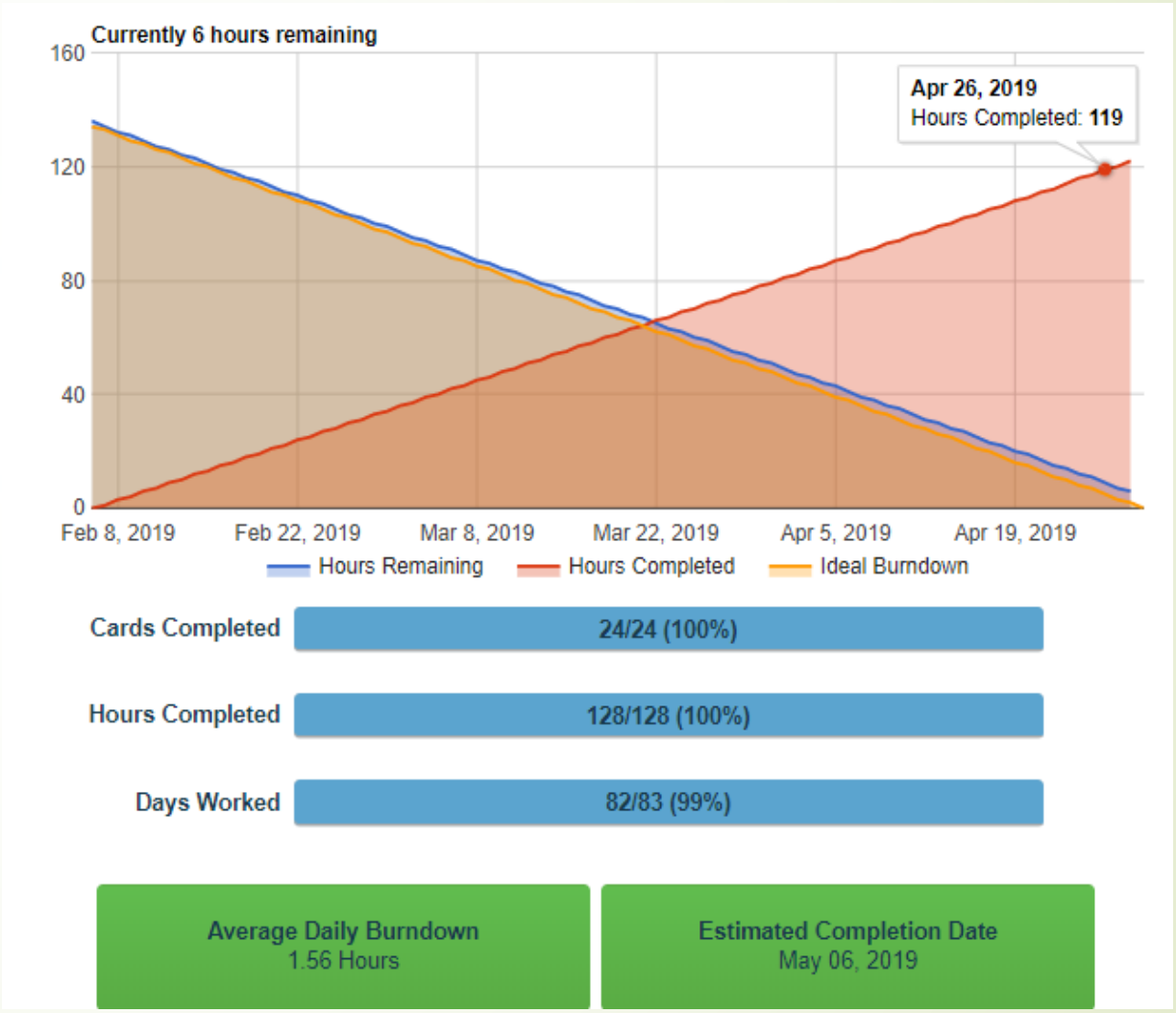
Changes in Our Process:

Used Trello "Power Up" for Planning Poker



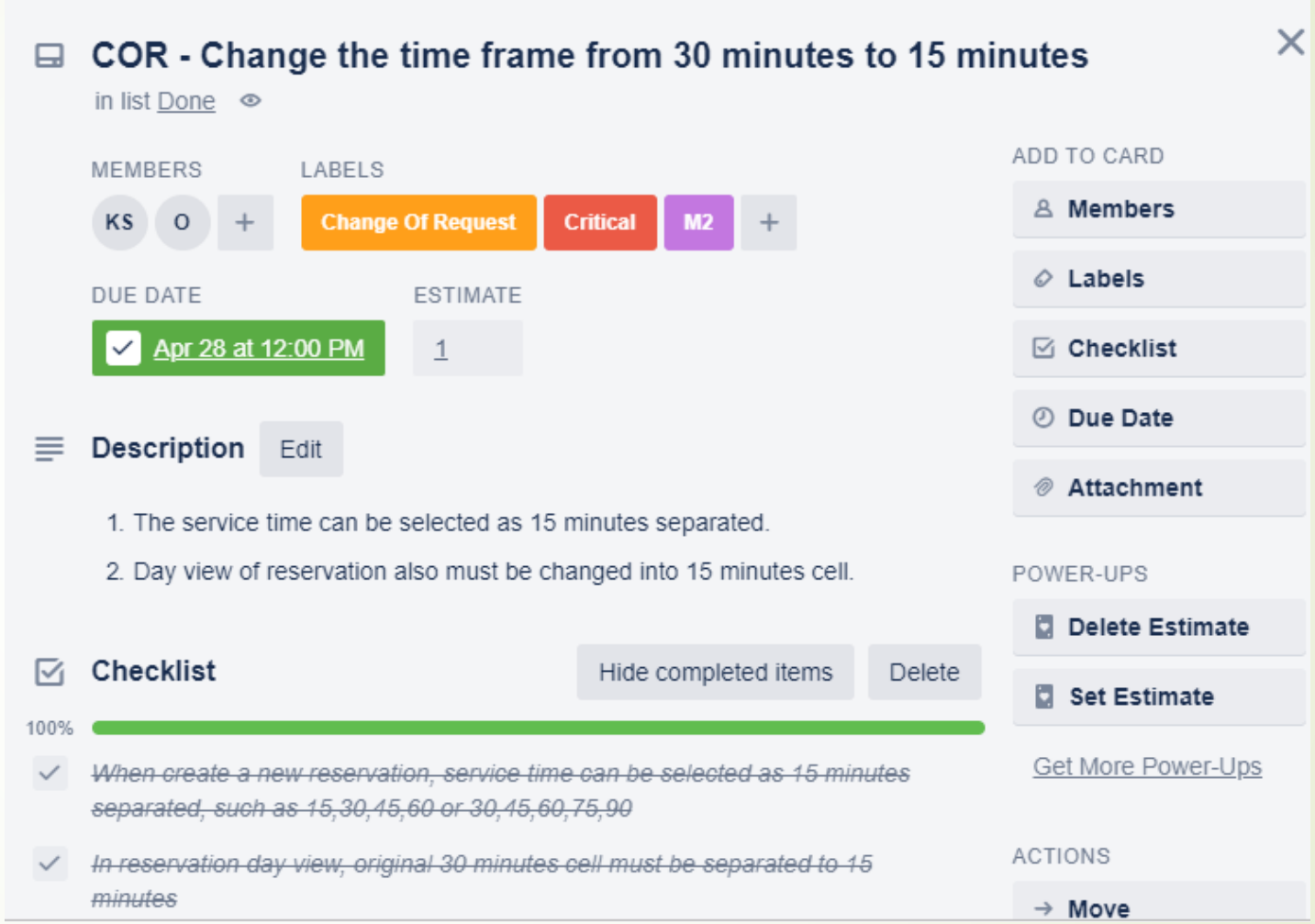
Changes in Our Process:
Used Trello "Power Up" for Burn Down Chart





Changes to User Stories and Software Requirements

- Update Trello Cards
- Update Time and Effort Estimates
- Assigned Tasks
- Completed the Updates
- Tested

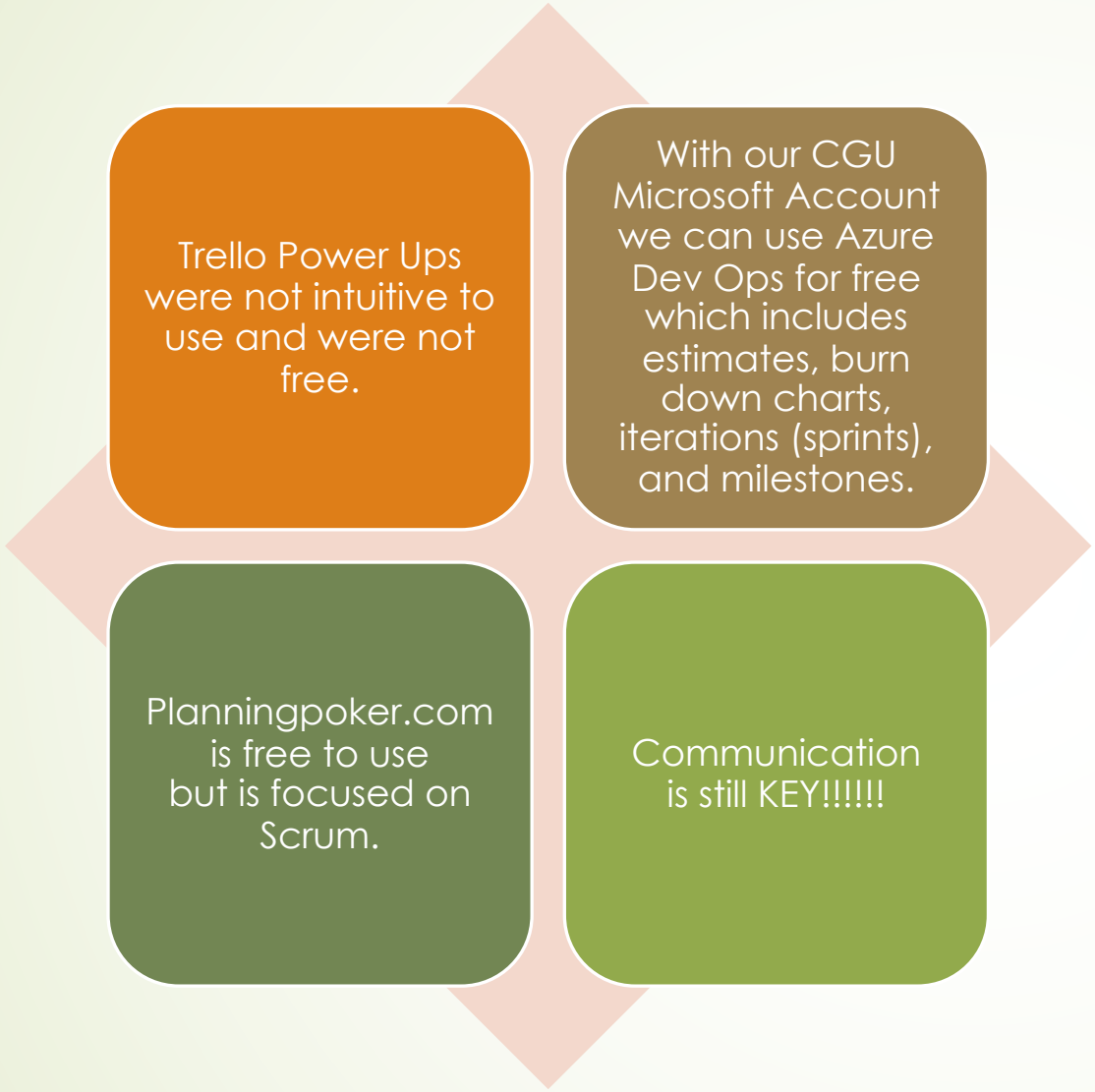


Testing: From Unit to System

Haibo Yan 8:20 PM

```
---------- coverage: platform darwin, python 3.7.2-final-0 ----------
Name                                                                 Stmts   Miss  Cover
----------------------------------------------------------------------------------------
administration/__init__.py                                               0      0   100%
administration/admin.py                                                  1      0   100%
administration/apps.py                                                   3      0   100%
administration/forms.py                                                  6      6     0%
administration/migrations/0001_initial.py                                7      0   100%
administration/migrations/0002_customer_check_in_time.py                 4      0   100%
administration/migrations/__init__.py                                    0      0   100%
administration/models.py                                                40      3    92%
administration/validators.py                                             7      1    86%
administration/views.py                                                119     98    18%
report/__init__.py                                                       0      0   100%
report/admin.py                                                          1      0   100%
report/apps.py                                                           3      0   100%
report/migrations/__init__.py                                            0      0   100%
report/models.py                                                         1      0   100%
report/views.py                                                         85     31    64%
reservation/__init__.py                                                  0      0   100%
reservation/admin.py                                                     1      0   100%
reservation/apps.py                                                      3      0   100%
administration/apps.py                                                   3      0   100%
administration/forms.py                                                  6      6     0%
administration/migrations/0001_initial.py                                7      0   100%
administration/migrations/0002_customer_check_in_time.py                 4      0   100%
administration/migrations/__init__.py                                    0      0   100%
administration/models.py                                                40      3    92%
administration/validators.py                                             7      1    86%
administration/views.py                                                119     98    18%
report/__init__.py                                                       0      0   100%
report/admin.py                                                          1      0   100%
report/apps.py                                                           3      0   100%
report/migrations/__init__.py                                            0      0   100%
report/models.py                                                         1      0   100%
report/views.py                                                         85     31    64%
reservation/__init__.py                                                  0      0   100%
reservation/admin.py                                                     1      0   100%
reservation/apps.py                                                      3      0   100%
reservation/migrations/0001_initial.py                                   7      0   100%
reservation/migrations/__init__.py                                       0      0   100%
reservation/models.py                                                   18      0   100%
reservation/validators.py                                                9      1    89%
reservation/views.py                                                   128     53    59%
----------------------------------------------------------------------------------------
TOTAL                                                                  443    193    56%
```

User Interface Testing



More Lessons Learned

Live Demonstration

Q&A

- Karen Snow - Business Design, Programmer
- Okechukwu Ugwuanyi - UI Design, Programmer
- Haibo Yan - System Design, Programmer