

The background features a stack of seven smooth, light-colored stones balanced on a bed of smaller pebbles. To the left, a red arrow points right, and thin, dark, curved lines resembling reeds or grass are visible. The overall color palette is soft and natural, with a light beige background.

MiYE – Mud in Your Eye

Resort Spa Reservation Application

Application Features



LOGIN - USER
AUTHENTICATION &
AUTHORIZATION



MANAGEMENT –
SERVICE & CUSTOMER



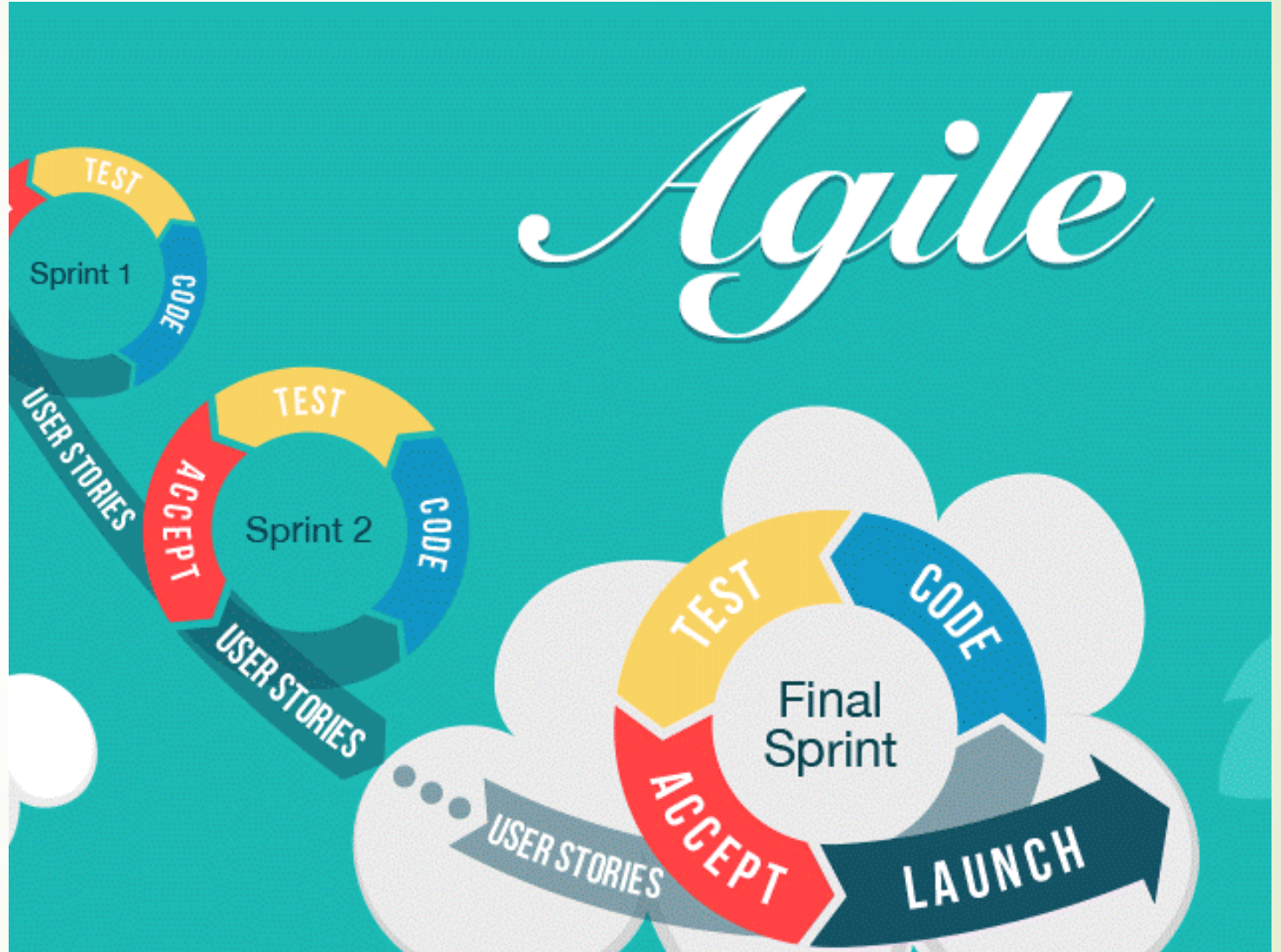
RESERVATIONS –
CREATE, CANCEL
& VIEW



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



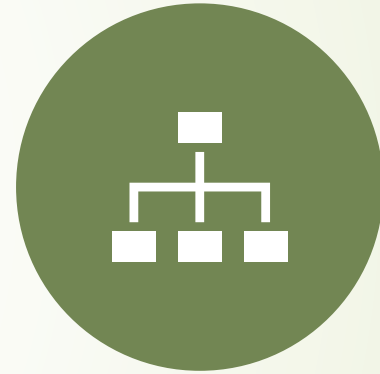
Next...



**SET UP OUR
ENVIRONMENT, TOOLS, AND
APPLICATIONS**








**AVOID HAVING MULTIPLE
DOCUMENT MANAGEMENT
SYSTEMS**












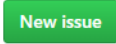
**PREPARED THE CODEBASE AND
PROJECT STRUCTURE**


Git Hub Repository






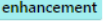



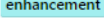







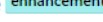

 Search or jump to...  Pull requests Issues Marketplace Explore

IST303S19 / ProjectTeam1  Watch 1  Star 0  Fork 1

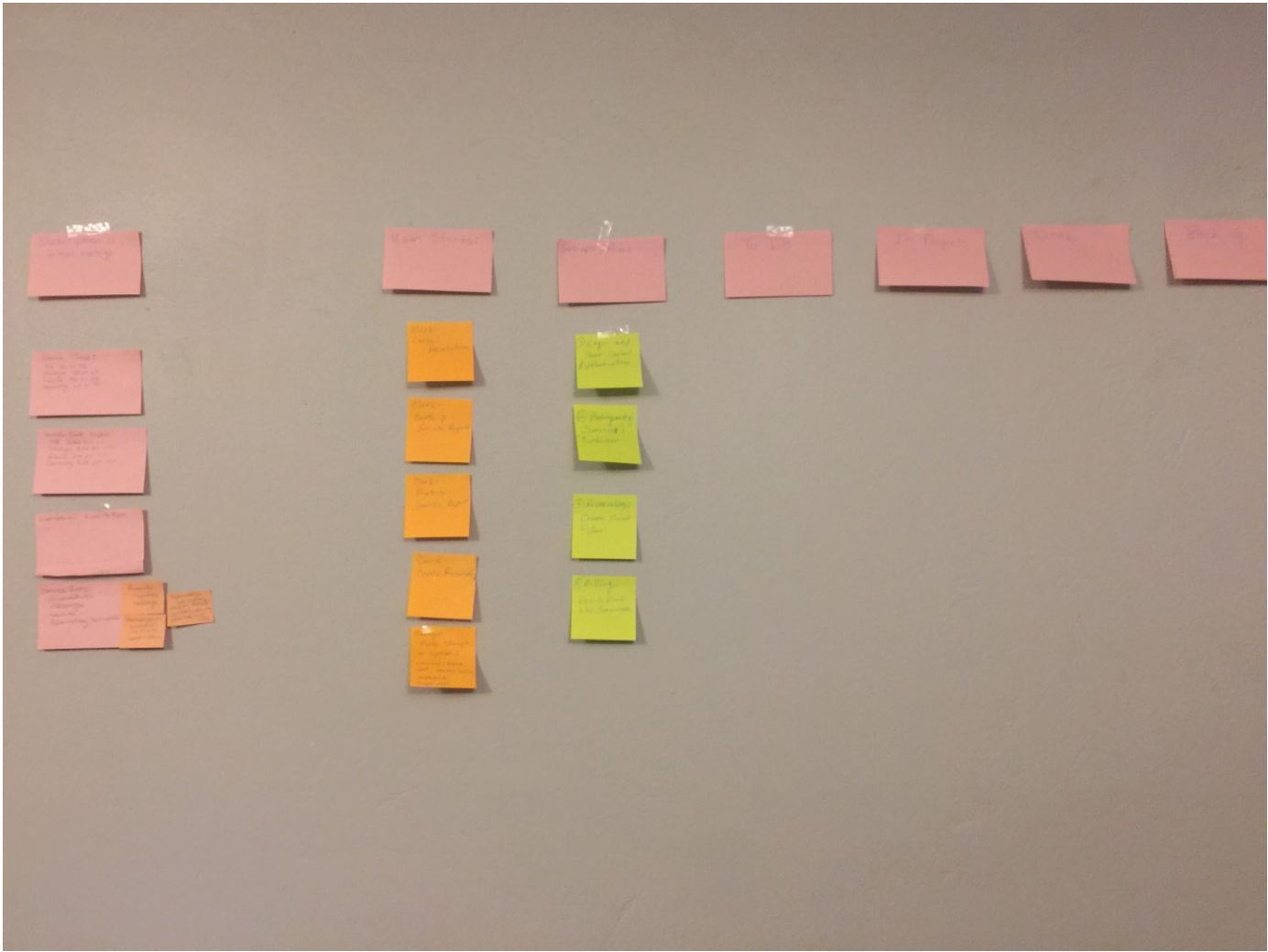
 Code  Issues 4  Pull requests 0  Projects 1  Wiki  Insights

Filters  is:issue is:closed  Labels 10  Milestones 2 

 Clear current search query, filters, and sorts

<input type="checkbox"/>	4 Open ✓ 10 Closed	Author	Labels	Projects	Milestones	Assignee	Sort
<input type="checkbox"/>	 Adding Test/Coverage run for MiYE  #22 by billyean was closed 4 days ago  Milestone 2					 1	
<input type="checkbox"/>	 Allocation page  #21 by billyean was closed 5 days ago  Milestone 2					 1	
<input type="checkbox"/>	 Change Request - Change the time to 15 minutes separation  #20 by billyean was closed 5 days ago  Milestone 2					 1	
<input type="checkbox"/>	 Reservation can be cancelled and cancelled reservations should be still traceable.  #17 by billyean was closed 27 days ago  Milestone 1					 1	
<input type="checkbox"/>	 Login page 					 1	

Big Board version 1



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



Time Estimates

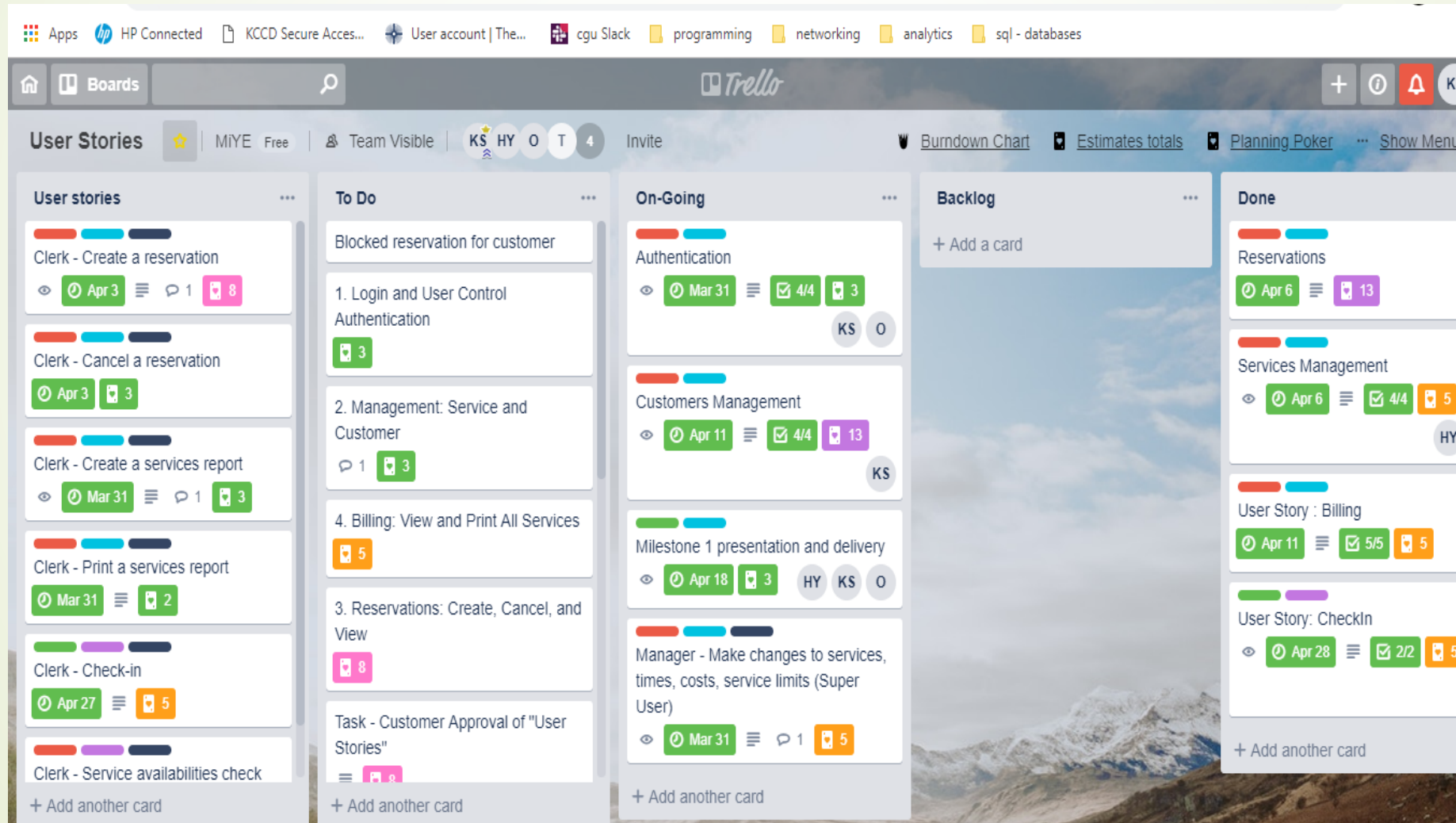


What We Learned in Milestone 1

- 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 experienced 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

The screenshot displays the Trello 'Planning Poker' Power Up interface. The top navigation bar includes a search bar, a 'Boards' tab, and a 'Planning Poker' tab. The main content area is divided into three sections: 'Filter Cards by Label', 'Filter Cards by List', and 'Filter Cards by Query'. The 'Filter Cards by Label' section shows a row of labels: Critical (red), M1 (cyan), User Story (dark grey), M2 (purple), Medium (green), Change Of Request (orange), and three empty slots. The 'Filter Cards by List' section shows a row of lists: User stories (blue), On-Going (blue), Done (blue), and Backlog (blue). The 'Filter Cards by Query' section has a text input field containing the query: 'board:5ca528e50e70e1310b2d4552 label:"User Story" is:open'. Below the filters is an 'Extras' section with a button labeled 'Unselect Estimated'. The 'Search Results (7)' section shows a list of cards with their titles, labels, and dates. The 'Game Backlog (0)' section shows a list of cards with their titles, labels, and dates. The 'Done' section shows a list of cards with their titles, labels, and dates.

Filter Cards by Label

Critical M1 User Story M2 Medium Change Of Request

Filter Cards by List

User stories On-Going Done Backlog

Filter Cards by Query

board:5ca528e50e70e1310b2d4552 label:"User Story" is:open

Extras

Unselect Estimated

Search Results (7)

- Manager - Make changes to services, times, costs, service limits (Super User)
Mar 31
- User Story - ...
+ To Backlog
- Clerk - Service availabilities check
May 2
- User Story - ...
+ To Backlog
- Clerk - Check-in
Apr 27

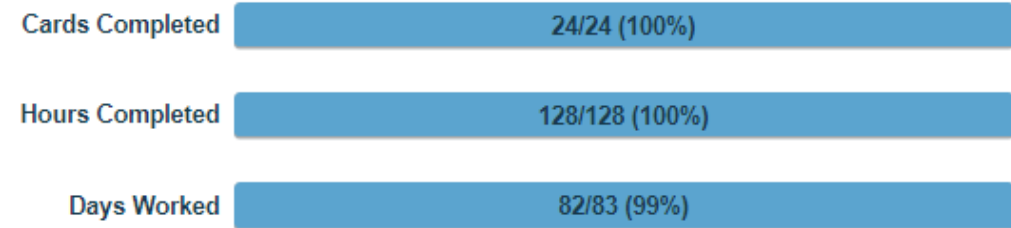
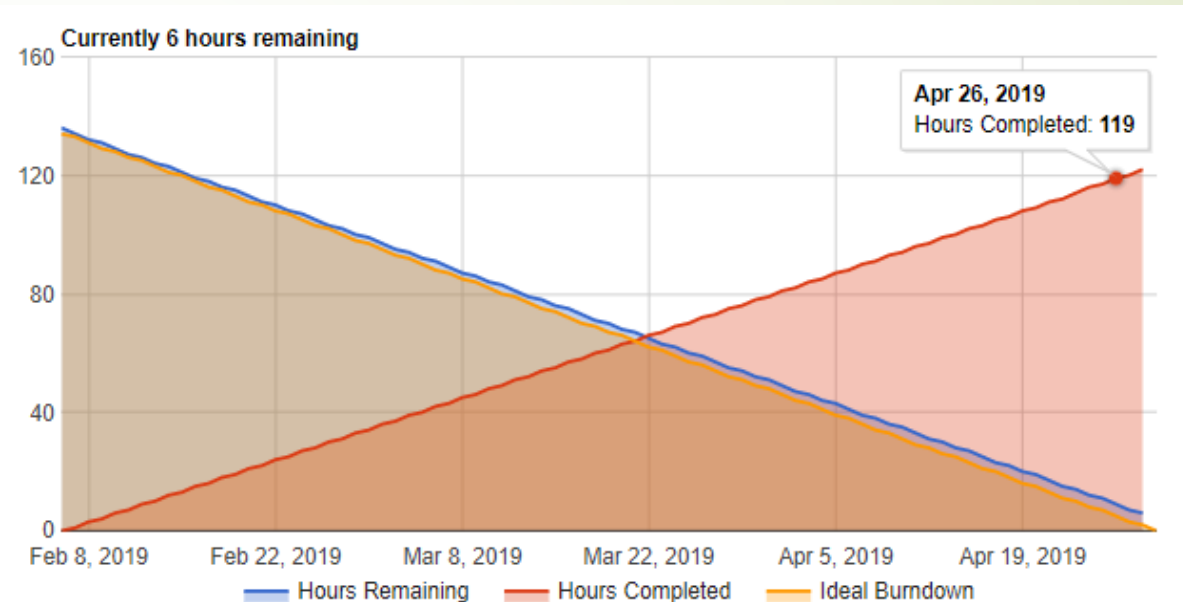
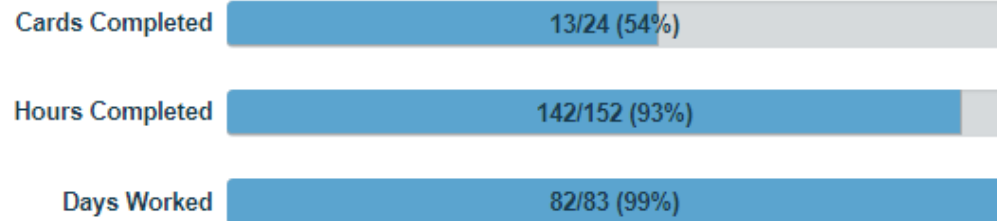
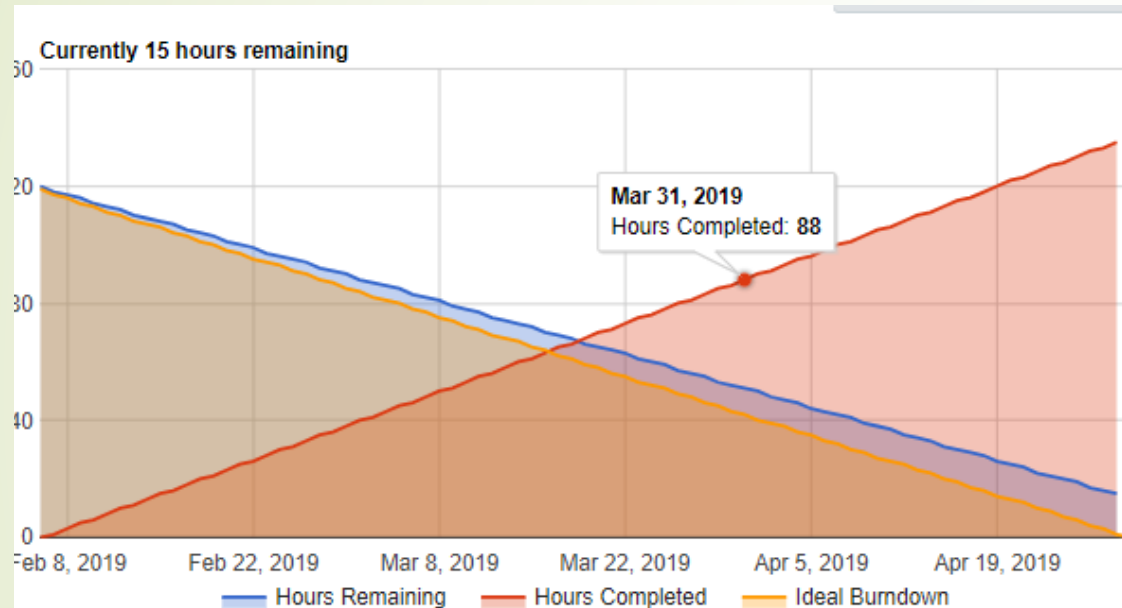
Game Backlog (0)

Done

- Clerk - Create a reservation
Apr 3 1 8
- Clerk - Cancel a reservation
Apr 3 3
- Clerk - Create a services report
Mar 31 1 3

Changes in Our Process:

Used Trello "Power Up" for Burn Down Chart



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

→ **Move**

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%

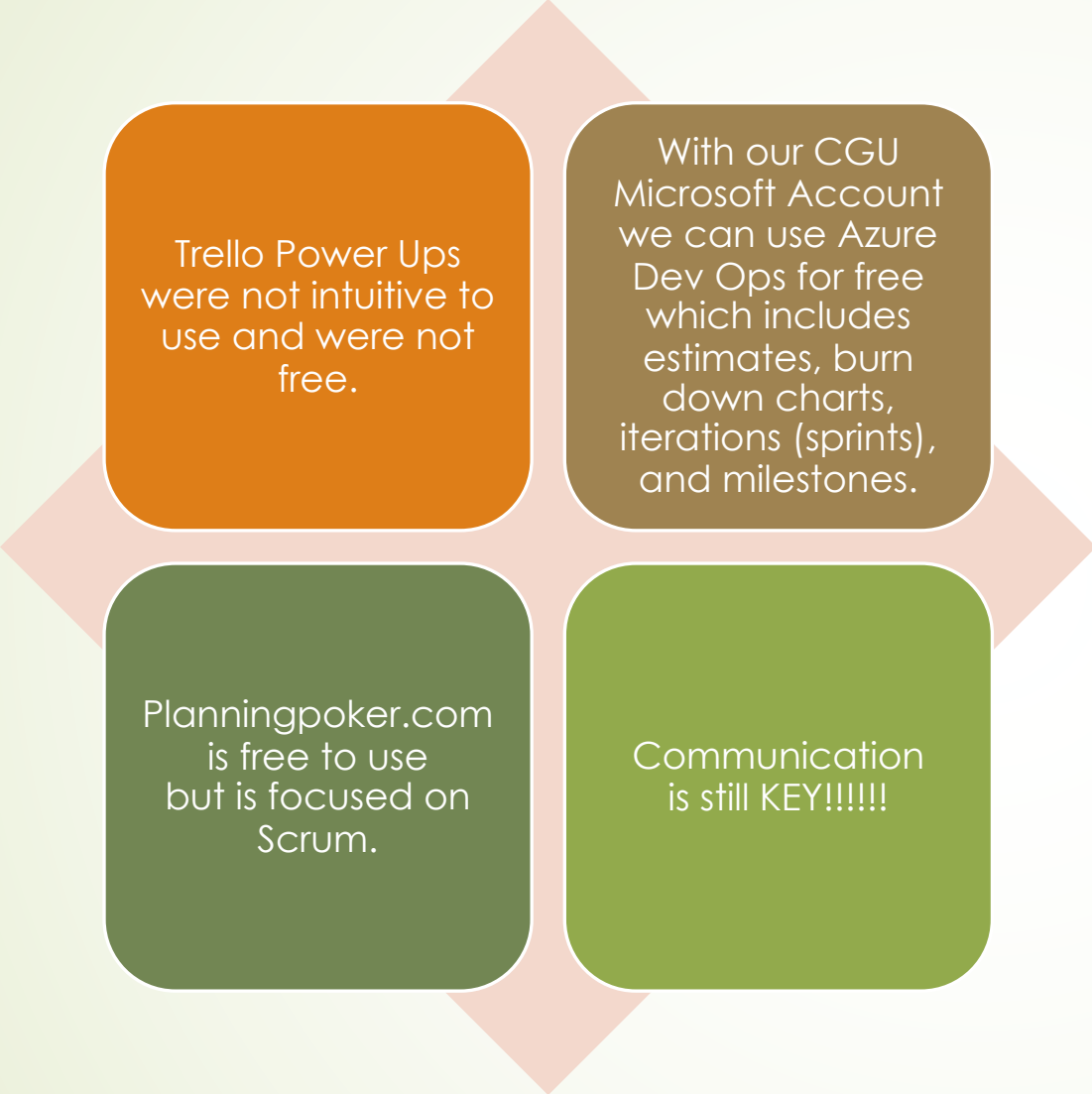
administration/apps.py	3	0	100%
administration/forms.py	6	6	0%
administration/migrations/0001_initial.py	7	0	100%
administration/migrations/0002_customer_check_in_time.py	4	0	100%
administration/migrations/__init__.py	0	0	100%
administration/models.py	40	3	92%
administration/validators.py	7	1	86%
administration/views.py	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





Trello Power Ups
were not intuitive to
use and were not
free.

With our CGU
Microsoft Account
we can use Azure
Dev Ops for free
which includes
estimates, burn
down charts,
iterations (sprints),
and milestones.

Planningpoker.com
is free to use
but is focused on
Scrum.

Communication
is still KEY!!!!!!



**More
Lessons
Learned**

Live Demonstration





Q&A

- [Karen Snow](#) - Business Design, Programmer
- [Okechukwu Ugwuanyi](#) - UI Design, Programmer
- [Haibo Yan](#) - System Design, Programmer