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TechFlow, Inc. Response to
Request for Quotation (RFQ)
4QTFHS150004
Agile Delivery Services (ADS I)

Scrum Board and Burn Down

July 7th, 2015



TABLE OF CONTENTS

1.0 Purpose and Overview 1

2.0 Scrum Board 1

3.0 BurnDown Charts 3

4.0 Scrum Notes..... 3

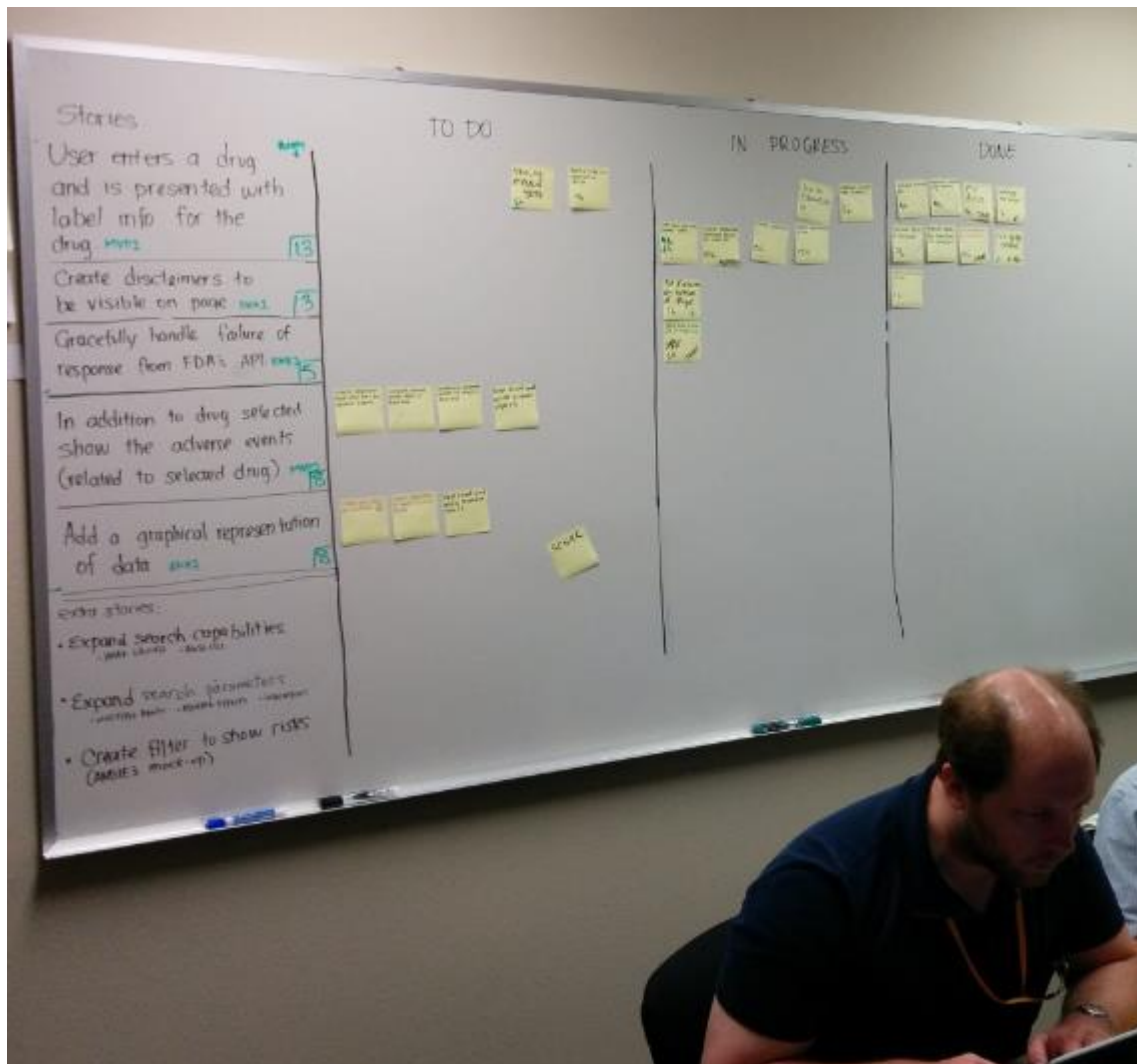


1.0 Purpose and Overview

The purpose of this document is to provide a historical reference of the scrum board and burn down charts developed for the Drug & Adverse Reaction Information (DARI) website.

2.0 Scrum Board

Below are the pictures of the scrum board

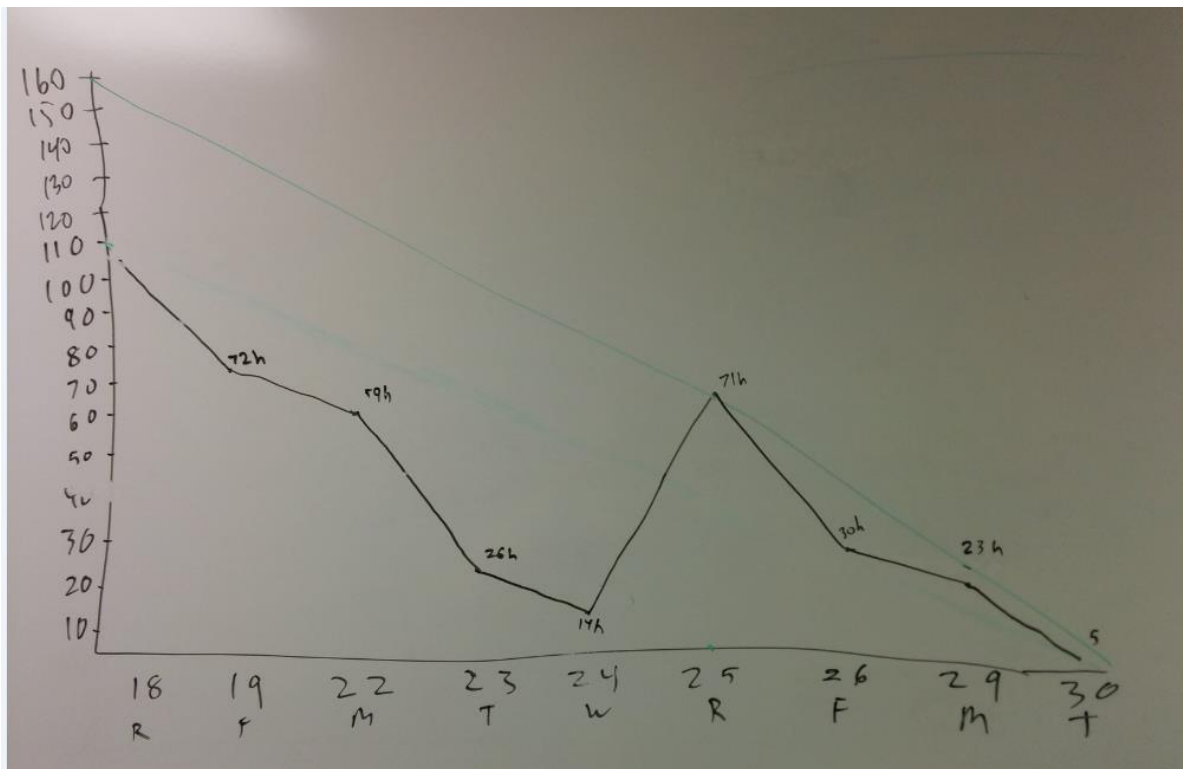


Complete Scrum Board!



3.0 BurnDown Charts

The picture below is our completed Burndown chart.



4.0 Scrum Notes

7/1/15 - Sprint Retrospective

Attendees: Aristo, Anthony, David, Danny, Kirby, Ehsan, Andrew, Andie, Hung, Elijah, Hank

- * Did we meet our expected results? Yes, we completed our user stores for this iteration.
- * Did the team have the right skill sets to deliver this solution? If not, what did we need? Yes, we continued down the correct path to complete the results.
- * Did we have good communication and collaboration? Yes, the team worked well together and the team happy hour certainly released some steam and they were rejuvenated and stayed focused through the end.
- * Did we adhere to our process and meet the definition of done? Yes.
- * Do we need to use different tools? No, we continued on with the original tool set, but we did evaluate other continuous monitoring tools.

* How can we get more productivity in the next sprint? There will not be a next sprint for the prototype.

6/30/15 - Sprint Review

Attendees: Aristo, Anthony, David, Danny, Kirby, Elizabeth, Ehsan, Andrew, Andie, Hung, Elijah, Mike, Hank, Shaun, Tony

Presentation walkthrough of sprint 2

Adverse events API demonstration

Auto-complete demonstration

Labeling info read more modal demonstration

Mobile demonstration

Review of acceptance criteria

Additional stories, to be added to docs, roadmap - fuzzy search; auto-complete no suggestion message / google analytics, additional metrics / 508 compliance

6/29/15 - Daily Scrum

Answers not yet back from GSA - possibly an extended due date; team is continuing to work with 6/29 COB code stop date until given different notice

Container meeting later today

COB today - end of development

Individual updates

- Elijah - editing arch doc, still in progress / usability testing
- Kirby - read more buttons / UI minor fixes
- David - maven documentation site / other documentation
- Hung - auto-complete functionality
- Danny - sonar up and running / build status button in github / finish puppet
- Ehsan - UI bugs / set up google analytics / working on another warning label
- Hank - finished up search repository / service may need refactoring
- Anthony - converted TAR doc to template format / revised test approach doc based on planning / documentation review / usability testing
- Andrew - finished serenity tests / auto-complete serenity tests
- Andie - read more button dynamically displaying / user centered design doc / UI bugs /
- Sarah - selenium tests
- Jeremy - finished up rendering issues with bar charts / front end auto-complete functionality
- Aristo - Documentation

6/26/15 - Daily Scrum

Answers back from GSA - impact analysis of answers today with team

Individual updates

- Elijah - reviewed david's doc, compared to template /
- Kirby - worked on bar chart issue, fixed / ensuring grid renders after second search issue / read more styling
- David - architecture documentation
- Hung - split API calls /
- Danny - not present
- Ehsan - bar chart dev and troubleshooting / hooking chart up to real data
- Hank - type ahead search dev, working in test cases / integrating search database
- Anthony - revised roadmap and user story doc based on planning and feedback / convert TAR doc to template format / revised DoD checklist
- Andrew - running selenium tests
- Andie - read more button / similar rendering issue with graph with read more button
- Sarah - created selenium test for graph, committed / pick up additional tasks
- Jeremy - bar charts rendering issue
- Aristo - documentation

6/25/15 - Sprint Planning

Attendees: Sarah, Aristo, Anthony, Andrew, Danny, David, Andie, Ehsan, Hung, Kirby, Jeremy, Hank

Additional stories - added 3 additional user stories to the second product increment for an additional 14 story points

Roadmap revised to account for extended timeframe

Adjustments/issues from existing 5 stories integrated onto scrum board

6/25/15 - Daily Scrum

Additional planning session

Results of usability testing

Monday, June 29 - hands down

Possible sprint review and retro / start new sprint for additional planning

Individual updates

- Elijah - usability testing, recorded and documented / reviewing usability testing / additional planning
- Kirby - not present
- David - not present
- Hung - added loading animation / splitting API calls into two calls, hopefully speed up the time, refactoring
- Danny - work on sonar / worked on puppet / will need to work with John on opening firewall
- Ehsan - bar charts and statistics
- Hank - completed label automated tests / drop down labels investigation
- Anthony - usability testing with Elijah / revised roadmap and user story doc to account for extension on RFQ due date, additional planning session today / converted test approach doc to template format / documentation review today / convert TAR to template format / revise MVP doc

- Andrew - able to use Hank's serenity code / 3 additional tests / writing serenity tests for adverse events
- Andie - finish up adverse events to be responsive / finished color palette / added search in the nav bar / mozilla and IE browser bug fixes / conditionally hiding buttons
- Sarah - understanding Git / start front end unit tests of adverse events
- Jeremy - bar chart, finishing up today

6/24/15 - Sprint Retrospective

Attendees: Aristo, Anthony, David, Danny, Kirby, Ehsan, Andrew, Andie, Hung, Elijah, Hank

- * Did we meet our expected results? YES We looked at the sprint burn-down to compare planned versus actual work accomplished.
- * Did the team have the right skill sets to deliver this solution? If not, what did we need? YES
- * Did we have good communication and collaboration? YES
- * Did we adhere to our process and meet the definition of done? YES
- * Do we need to use different tools? NO
- * How can we get more productivity in the next sprint? learning curve has been established with regards to working together and working with the FDA API, so productivity should increase

6/24/15 - Sprint Review

Attendees: Aristo, Anthony, David, Danny, Kirby, Elizabeth, Ehsan, Andrew, Andie, Hung, Elijah, Mike, Hank

All user stories demonstrated and accepted - label info, disclaimer, API error handling
 Type ahead auto-complete needs to be implemented - new story
 Remove prescription(s) - adjustment task added to adverse event story
 Ensure its clear you can only enter one drug - adjustment task to adverse story
 Fix the readmore, way too repetitive - adjustment task to adverse event story
 Robot stop text/deny any search engines. (security concern) - Adjustment task added
 Basic google Analytics to be implemented, burn time against the digital performance lcat - new story
 Pointer to the github repository from the website - new story
 About Techflow, link to techflow home page - new story
 Come up with a different "read more" title/graph
 Technical Stuff:
 Jenkins screen shot to github
 Network graphs showing the forks
 508 compliance (hank to follow up on)
 Need test approach and test analysis report

6/24/15 - Daily Scrum

Submission date extended to wed 7/1; code freeze Monday / additional work
 New story for links in footer
 Individual updates

- Elijah - usability testing doc / usability testing / created template for usability testing records
- Kirby - adjustments on first story
- David - brought back events data / set up swagger / documentation / maven site task
- Hung - fixed footer cut off / incorporated links to repository and links to TF home / researching loading delay
- Danny - got puppet running in the lab / begin Sonar
- Ehsan - helping with adverse events
- Hank - selenium debugging
- Anthony - test approach review & convert to template / DoD checklist uploaded / revisions to user story doc in progress / revisions to roadmap doc in progress / usability testing / new story to be added for links /
- Andrew - serenity tests
- Andie - worked on adverse events skeleton, cleaning up responsiveness and styling
- Sarah - available to help with anything
- Jeremy - worked on bar chart prototype
- Aristo – Ensuring no other tasks are impeding the sprint team

6/23/15 - Daily Scrum

Final charge code delivered

Remove 'drugflow' from site

IE9 compatibility / phone compatibility

MVP 1 - what needs done to start testing

Lunch at 12:15pm

Individual updates

- Elijah - usability testing doc / working with Andrew on test results recorded /
- Kirby - bug fixes for front end / adjusting header titles / more bug fixes between mobile and desktop
- David - coding for error message / consuming services for adverse events
- Hung - implement smooth jump scroll / headers / error checking
- Danny - jenkins set up / working on getting it accessible via front end / ngenix set up / configure puppet
- Ehsan - fine tuned website layout / merged with trunk to have latest layout
- Hank - automated testing / pending other tasks
- Anthony - roadmap doc drafted, under review / user story doc in progress / DoD checklist in progress / feature group (MVP) doc in progress / peer reviewed user persona doc / usability test results doc in progress / usability testing today / reviewed criteria proof of matrix with Aristo / reviewed site in browsers and phone, review in tablet today
- Andrew - not present
- Andie - cleaning up UX portion of front end / misc tasks /
- Aristo – Worked with development to ensure headed in the right direction
- Steve - submitted two graphics to Kirby /

6/22/15 - Daily Scrum

Charge codes - in progress

Check tablet and phone for usability testing - ask user testers / open up to guest network

Individual updates

- Elijah - usability testing docs /
- Kirby - finished basic functionality of calling API, laying out on front end / cleaning up front end portion of search
- David - working JAR that can be deployed / test framework set up / able to deploy maven docs
- Hung - worked with kirby on drug model / display of drug information / error handling / misc UX improvements
- Danny - worked out jenkins / got access to cloud machines / some server tweaking needed, working with John / installation of software
- Ehsan - worked with Andie on search results columns, continuing today / search box responsive and box size
- Hank - worked on automated tests running, 50% done / trying to find the element, impediment
- Anthony - create document drafts (user stories / roadmap / feature grouping) / DoD checklist) | usability testers ready | engaged graphic design resource | run tests when available
- Andrew - github code from David / serenity J-unit tests
- Andie - worked on prototype interface / labeling section changed to two columns / working with Elijah / user testing today possibly
- Steve - graphic upper left corner / two design feedback
- Aristo - no update

6/19/15 - Daily Scrum

Tasks for MVP 1 & MVP 2 good to go with time estimates / burn down created

Charge codes - in progress

Engaging graphic design resource - Steve

URL finalization - use latest

Individual updates

- Elijah - burn down chart / writing user scenarios for testing
- Kirby - implemented front end search with Andie / working on consuming API with Hung and Ehsan
- David - completed task to get drug labeling / calls to get adverse events / help Danny with ECT2 app running
- Hung - worked on angular skeleton / working on angular controllers
- Danny - documenting licensing / started writing puppet modules / setting up puppet
- Ehsan - set up environment / set up angular / working on unit testing
- Hank - rounded up license source / system config / looking at test cases /
- Anthony - disclaimer verbage handed over to dev team / reviewed all user stories & acceptance criteria with devs / added labor category tracking matrix to sharepoint /

engaged user testers (4 so far) / ensure sharepoint access / add hours worked to the labor grid

- Andrew - david's code compiled / back end baselines
- Andie - not present
- Sarah - out yesterday /
- Jeremy - helped a bit with labeling

6/18 - Release & Sprint Planning

Attendees: Elijah, Aristo, Hank, David, Danny, Kirby, Aristo, Ehsan, Andrew, Andie, Hung, Anthony

Usability testing resources secured

Team agreed on MVP and product increment 2

Reviewed all stories and acceptance criteria - made revisions as necessary

Completed tasking and hourly assignment & burn down

Set up physical scrum board

6/17/15 - Product Roadmap

Attendees: Elijah, Sarah, Andie, Ehsan, Hung, Kirby, David, Danny, Hank, Jeremy, Anthony, Aristo

User stories drafted, prioritized and sized | MVP determined based upon most value to consumers

Minimally Viable Product - identified as basic search functionality of the drug labeling information API; additionally a disclaimer and an error message when the FDA API is not available were also added to the MVP to provide a more complete search experience

User Stories - 9 user stories drafted / 3 were grouped within the MVP / the remaining 6 stories were grouped into two additional product increments

Roadmap - Based on a one week sprint, events, outputs and user stories were graphically layed out and agreed upon

Estimation - The MVP user stories and the second product increment stories were estimated using a Fibonacci numbering sequence. All estimates assigned to user stories are relative to each other. The total estimate amount for the 5 user stories estimated is 37 story points.

Prioritization - The MVP user stories were prioritized first. These first stories provide the search website framework for a user to complete basic searching functionality of drug labeling information. The next product increment prioritized targeted expanding search results to include adverse events. All remaining stories were grouped in the product backlog and were tentatively considered as stretch goals.

Local environment set up initiated

Repository access provided to team

6/17/15 - Vision

Attendees: Elijah, Sarah, Andie, Ehsan, Hung, Kirby, David, Danny, Hank, Jeremy, Anthony

Evaluated possible FDA datasets and it was determined that utilizing the drug API would potentially provide the most benefit to consumers

Vision - To create a publicly accessible website whereby a consumer could search a drug, prescription or otherwise, and be provided with general information and potential adverse reactions and other warnings associated to the drug so that consumers would be able to make informed decisions regarding drug use.

API data evaluation - Determined that labeling information API and adverse event API would be most beneficial for initial increments as that information was deemed to be most pertinent

User personas - Determined which users would derive benefit from the new product: General consumer, medical professional & healthcare professional. Engaged pharmaceutical representative regarding pertinent drug information and layout.

Technology Stack - angular JS / springboot / sprint MVC