

# Our Development Process

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# Overview

- Operate using two systems
  - Kanban for day to day
    - Cadence
  - Scrum sprint for major projects
    - Time-boxed, pre-planned
- Tooling
  - Trello.com and Google Docs
    - Inspired by [UserVoice](#)
  - Git and Github.com
    - Inspired by [Vincent Driessen](#)
  - Another day - CI, Deployment, DB migrations, Env
- Daily Standups

# Trello

## Pros

- Virtual whiteboards with tickets and lists.
- Easy for business to participate
- Very flexible

## Cons

- No Metrics
- Very flexible
- No integrations

# QA and Build Deploy

- Take a look at [this branching model](#)
  - Master, Develop, Feature
- Use the github pull-request model
  - Developers each have their own fork
  - Each pull-request is developer reviewed and tested
  - Merged with the main repo
  - Working branches also committed frequently
- Teamcity for CI
- Octopus for deployment
- AWS with multiple environments for test, uat, and production

# Kanban - Planning Board

Kanban used for our day to day development Lists

- Inbox
  - Features
  - Bugs
- Investigations
- Parked
- Info Needed
- Specifications
- Ready for Development

Multiple sources feed in (DevOps, NP Complete, Business, Customer Roadmap)

# Kanban - Current Development

## Lists

- Next Up
- Parked
- Paused Waiting for Info
- In Progress
- QA
- Ready for UAT
- Deployed to UAT
- Deployed to Production
- Resolved (No Deploy)

# Scrum Sprint

Process Switch for Major projects (40+ hours)

Agile, but key points for us:

- Backlog board with epics
  - Breakdown further if it can't fit in a sprint
- Sprint 0 very important
- Budget adequate time for sprint planning
  - Planning poker
  - Everyone's involvement
- Each Sprint has a board
  - Bugs, Next Up, Things to discuss, Alt dev testing, UAT, Production, Answered

# Scrum Sprint

## Challenges and Lessons

- Metrics tricky, and ultimately out of sync
- Time-boxing sprints hard when so many unknowns, ended up running over often
- Planning saves a lot of time
- Estimates get progressively better
- Hard to align business with developer timing



# Trello Usage - Other points

- Card ownership - business and developer
- Splitting out into mini-project
- Keeping the boards under control
- Linking to pull-requests and vice-versa
- Link to detailed specs in Google Docs
- Force details into the cards

# Thank You

Q & A