



Vortek Solutions

A **NORTHROP GRUMMAN** Team

JAD1 Meeting Notes

Members:

Justin Goulet, Chris Larsen, Mikal Callahan, Brock Corbett



Document Objective

To reinstate meeting topics and obtain understanding of what is expected prior to the next meeting.

Meeting Notes:

Sorted by Member & Topic

Justin Goulet:

Communication Methods:

Add to Slack using work email

- Complete

Add to GitHub using different email (will send to team)

- Awaiting Email

SRS

Use Cases:

- Will be integrated above forms on webpages.
- Only usable on Edge, IE 11+ or Firefox
- Should be able to customize based on current workflow

Project Scope

Solution:

- Group will be responsible for the creation of an embeddable widget that will visualize multiple workflow objects

Final Demo:

- Final deliverable is a “black box”, but we must show functionality through a demonstration using a sample use case and sample workflow diagramming.

Size/Scale of proposed widgets:

- Dynamic based on current representation of workflow
- Minimal design, no wasted space

Simple Integration w/ Customization:

- Should be an API that allows for customization of what data parameters are placed
- Should be able to customize the design of the widget to match different style pages
 - Different CSS files could be used
- Should be able to edit “on the fly”



- Customization menu that allows for alterations to the widget while it is currently showing a specific state
- Ability to add an additional state during workflow
- Generic widget
 - Able to accept multiple workflows
 - Standardized workflow data will be provided (all have the same forms) e.g. name, description, state etc.

Chris Larsen

Data History

- Would be able to get data history (stored somewhere) and show record of states

Workflow Object Definition

- Display steps (state) of workflow in visual manner
- Possibility to view critical area (or specific) area of workflow (where errors occur in workflow)

Project Budget

Open Source or Licensing:

- Open Source is preferred
- Client has licensing to High Charts, D3, Sencha

Budget:

- Max of \$5,000
- Preferred to be under \$2,000, if needed

Preferred Vendors:

- EXTJS
- D3
- Sencha
- High Charts

Project Deliverables

Workflow Object Definition:

- Create a workflow object definition to ensure client and team are on the same page

Rough Design:

- Have rough sketch of widget to ensure understanding

Database requirement:



- No database is required, however, we can create one if we have time (or to test integration of foreign data)

Mikal Callahan

Design Schema

Font:

- Font Family includes Helvetica Neue, Geneva,

Colors:

- Colors will be provided (company colors)
- Basic, flat colors
- Colors should make sense (green = good, red = bad)

Design Customization

- Product should be customizable, where the client can alter fonts and colors at later point in time

File / Data Types

JSON is primary data object

Brock Corbett:

Project Priority

- 1) Workflow
- 2) Scheduler
- 3) Layout

Data Collection

Real Time or input based:

- Input based, based on current widget.
- Each change of state transmits data
- Selecting an item in the widget should alter the state, referring to previous data entered.
- Data includes: name, state, length, description etc.

Other Notes

Repair is a big part of Northrop. This tool is going to be a big part of tracking repairs and alterations to workflow environments. Due to the nature of this project, the final deliverable should be dynamic so each widget is customizable to each workflow used.

See Next page for diagram or proposed project

