



BRAVO

BRoswer Analytics Visualization



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TOOLS RANKED BY EFFECTIVENESS

WebStorm JetBrains (varied IDEs used)



Trello



SQLite3



Slack



MySQL Workbench



Mocha



Google Drive



JShint/JSlint



JSFiddle



JSDoc



GitHub



Chrome Developer Tools



1 ★

2 ★

3 ★

4 ★

5 ★

TECHNOLOGIES

- Chrome History API
- alaSQL = in-memory client database javascript library
- D3 = Data visualization javascript library

METHODOLOGIES

- Agile

User Stories

Agile scale used: Powers of 2 from 0 to 64

- **ID: 001**
As a Google user, I want to see the division of time spent on different websites so that I can view my habits out of curiosity.
Agile size: 8
- **ID: 002**
As a user, I want to interact with my browser visualizations so that I can gain insight about particular elements of the visualization.
Agile size: 32
- **ID: 003**
As a user, I want to make sure that my browsing data is secure, so that my private information is not viewable.
Agile size: 16
- **ID: 004**
As a user, I want to see long-term charts of my browsing habits so that I see how my browsing habits have changed.
Agile size: 64
- **ID: 005**
As a sociology researcher, I want to be able to collect data from research subjects so that I can use it for my academic research
Agile size: 16
- **ID: 006**
As a user, I want time management goals created from my data so that I can use my time more effectively.
Agile size: 64



CHALLENGES

- New tools & language
 - ◆ Javascript (and D3 library)
 - ◆ Chrome Extension
 - ◆ GitHub
- Agile-like process
- Time pressure
- Virtual vs. in-person collaboration

DEMO

