Sprint Review 1

Thursday, 17th September



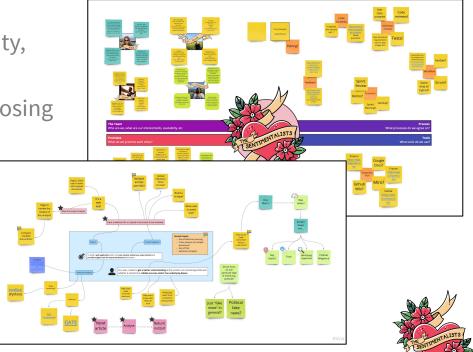
The Team 💉





What we've been working on 🌅

- Getting to know each other!
- Understanding each other: availability, interests/skills and weaknesses.
- Deciding how to work together: choosing tools, setting standards.
- Breaking down the problem:
 Drawing wireframes, researching
 backend options



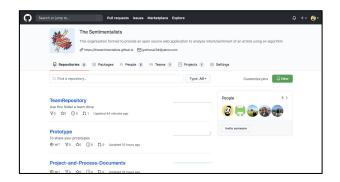
Our Working Methodology 5

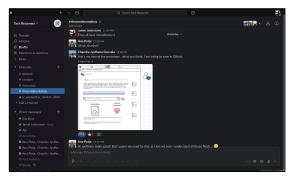
- Agreed on regular meetings (Mon-Fri 9am)
- Coding standards (commits, filenames, consistency)
- Agile & lean methods



Our Tools

- Team Storage/Code Repository: <u>Github</u>
- Issue trackers: <u>Github Issues</u>, Clubhouse, JIRA, Trello
- Communication: <u>Slack</u> for chat, <u>Zoom</u> for video calls/pairing
- More decisions to be made as we dive in deeper!





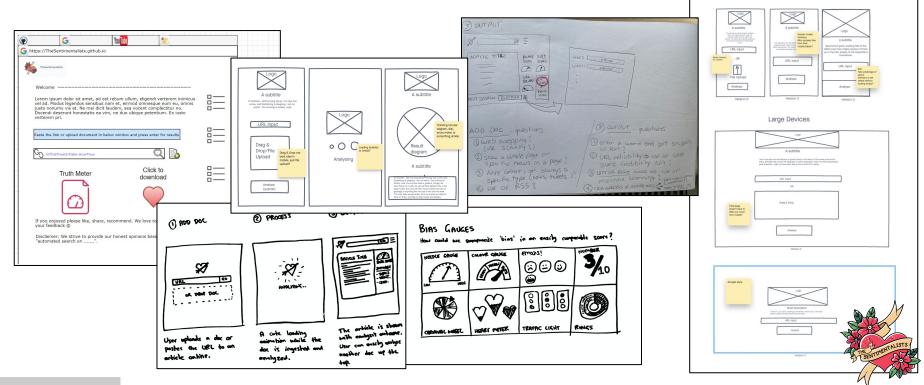


Our Ideas /

- Explored the problem space
- Looked at competitors (e.g. Signal AI)
- Broke down the problem: ingestion, document retrieval, analysis, output
- Explored how to communicate 'sentiment' to an end user
- Explored what's possible with existing technology/libraries/ML



Our Ideas - Front End 🎨





Our Solution - Input 👀

- Website URL X upload a document to be reviewed
 - Looking at Scrapy, BeautifulSoap we haven't found a "generic" solution yet...
- Type of content
 - Possibly focusing on News Articles but considering other options.
- Search Feature
 - Input of a specific word and present all snippets of text where it is found.
 - Context is shown / whole sentence.



Our Solution - Output



- **Polarity Score**
 - Negative / Positive sentiment analysis Python library TextBlob
- Subjectivity Score
 - Objective / Subjective text analysis Python library TextBlob
- **URL** Reliability
 - Looking into GATE Source Credibility API
- Others
 - Cross-analysis of docs Python libraries gensim or spaCy
 - Left Wing / Right Wing use of Machine Learning (?)

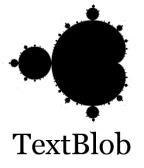


Back End Tools & Languages 🔖



- Lots of initial investigation:
 - Languages: Java or Python
 - Libraries: TextBlob, Gensim, spaCy
 - APIs: Gate Source Credibility
 - Frameworks: Scrapy
- Starting to think about architecture:
 - Single back-end application
 - Microservices/Processing Pipeline











Next Sprint Goals

- Assign teams/roles to help us split up the work
- Decide on final product definition

Front End

Develop/sign off initial UI concepts

Back End

- Deep dive into
- Explore architecture options:



Questions?

