

Team 9
PRODUCT BACKLOG



“Know yourself. Know your data. Be Versed.”

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Problem Statement:

For some, privacy is a top concern, but for others, it’s merely a peripheral concept bolstered by the “Nothing to Hide” argument. In fact, the vast majority blindly trust companies and click “I accept” out of carelessness or ignorance. However, in an age when people are more often online than not, we just want our user to be educated before they make a decision about their increasingly growing data.

Background Info:

Audience

We are targeting people who want to learn more about how widely used companies such as Google, Facebook, Apple, etc., store their personal data. Many technology users are somewhat aware of their privacy rights, but very few know the specifics about what data is actually kept by these companies. Our product aims to educate as many people as possible about this subject.

Similar Platforms

Google, Facebook, and Apple all specify each category that a user’s data is sorted into. However, the difference is that we will take the data dumps from these platforms and transform them into visual components that the user can easily understand.

Limitations

While most main internet platforms may have a page in their settings that specifies what kinds of data they store, the average user may never even see these pages let alone understand what they mean. Our goal is to help teach each user about how important their own data is and how a company such as Google intends to use that data. Our hope is that our product can be a gateway to their own efforts towards understanding and managing their data privacy.

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Requirements:

Functional Requirements

General User Stories:

1. As a user, I would like to access the application through a web browser
2. As a user, I would like to register for an account with my email
3. As a user, I would also like the option to access the service without making an account
4. As a user, I want to be able to log in to my account
5. As a user, I want to feel safe knowing that my data is encrypted with HTTPS (time permitting)
6. As a user, I would like the option to delete my account
7. As a user, I want to modify my account information, such as my password
8. As a user, I would like to be able to choose if Versed will store my data or not
9. As a user, I want to be able to come back and upload more data dumps to my existing data analysis report (given that I have an account)
10. As a user, I would like to know that my data is secure and will not be shared
11. As a user, I would like to have specific instructions detailing how to use Verse
12. As a user, I would like to understand why I should upload my privacy data to the app
13. As a user, I want to be educated about the various buzzwords and terms often used when describing privacy, including their definitions and example contexts
14. As a user, I want to have access to a page that gives a TL;DR of various types of Terms and Conditions Agreements
15. As a user, I would like to intuitively navigate through the app with a menu bar and links on the side
16. As a user, I would like to specify where I am uploading my data from (Google, Facebook, Apple)
17. As a user, I want to see bar graphs and pie charts that compare the metrics of the data sources that I have uploaded (Google and Facebook if I have only uploaded those two, Google, Facebook, and Apple if I have uploaded all three, etc)
18. As a user, I would like to click on different tabs to analyze my Google, Facebook, or Apple data separately
19. As a user, I would also like to see a tab that combines all three data sources and their categories
20. As a user, I would like to be able to receive email notifications that tell me when the parser is done analyzing my data
21. As a user, I want to be able to export my summarized data analyses to my own machine
22. As a user, I would like to view a list of my data uploads on the analysis report to know what data the report is based on

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- 23. As a user, I would like to be able to clear my data upload history
- 24. As a user, I would like to clearly understand the significance and impact of my data
- 25. As a user, I want to be able to click a downwards arrow or plus sign on any category to expand the details

Google User Stories:

- 26. As a user, I want to be provided with step-by-step instructions on how to request and download my data from Google Takeout
- 27. As a user, I want to be able to upload multiple files from Google at once to Verse's online portal
- 28. As a user, I want to be able to remove some files from the file upload portal
- 29. As a user, I would like to see a numerical snapshot of my data from Google including size, category, and age of data
- 30. As a user, I want to be able to filter through my Google data via checkboxes to choose categories such as Photos, Maps, Gmail, etc
- 31. As a user, I would like to view my geographical data from Google Maps rendered on a map
- 32. As a user, I would like to see a "time" vs. "amount of data" bar graph

Facebook User Stories:

- 33. As a user, I want to be provided with step-by-step instructions on how to request and download my data from Facebook
- 34. As a user, I want to be able to upload multiple files from Facebook at once to Verse's online portal
- 35. As a user, I want to be able to remove some files from the file upload portal
- 36. As a user, I would like to see a numerical snapshot of my data from Facebook including size, category, and age of data
- 37. As a user, I want to be able to filter through my Facebook data via checkboxes to choose categories such as Photos, Friends, Messages, etc
- 38. As a user, I would like to view my friendship data on a graph that details length of friendship, number of interactions, totals of "likes", etc
- 39. As a user, I would like to see a "time" vs. "amount of data" bar graph

Apple User Stories:

- 40. As a user, I want to be provided with step-by-step instructions on how to request and download my data from Apple
- 41. As a user, I want to be able to upload multiple files from Apple at once to Verse's online portal
- 42. As a user, I want to be able to remove some files from the file upload portal

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- 43. As a user, I would like to see a numerical snapshot of my data from Apple including size, category, and age of data
- 44. As a user, I want to be able to filter through my Apple data via checkboxes to choose categories such as Music, Movies, Devices, etc
- 45. As a user, I would like to view my music data on a graph that details most frequently listened to songs and artists, etc
- 46. As a user, I would like to see a “time” vs. “amount of data” bar graph

Non-Functional Requirements

Architecture

The application will be built with the React JS framework as a front-end, Python and Django for the backend, and MySQL for the database.

Usability

Upon first coming across our website, the user should feel that what we want to achieve is clear. We want the user to feel comfortable giving us their data. After the data is uploaded, we will give the user a brief and easy to understand summary of their data. Users will also have the option of saving their summary on their own device. Our message is transparency.

Security

We will make sure the user understands that their data will only be stored on our server when the user uploads it and that it will be deleted upon exiting the website or logging out. We want them to rest assured that our services will not store any information from the user’s data dumps past the user’s session.

Hosting

Heruko would host the React app. Django will allow Python to be used as a web framework.