

Team 9
PROJECT CHARTER

Team Members: Lisa Le, Jacquie Yu, Jackson Oriez, and Nguyen Do

Problem Statement:

The average person likely isn't aware of how much and what kind of personal information is being stored about them on their favorite sites, and that amount of information will only continue to grow in the years to come. In order to address this, we are proposing a digital privacy literacy tool that will parse your data and provide an easy-to-digest snapshot of your information. Though there are open sourced programs that will parse your data, there are none that will be as clean, transparent, or user friendly. Anyone's data is accessible for themselves to download by law, but our web application also seeks to educate the common person so they can understand what they're looking at and what steps they can take to manage their own privacy.

Project Objectives:

1. Set up a portal through which users can securely upload their data dump from a service such as Apple, Facebook, and/or Google to our servers
 - Security through HTTPS with SSL certificates by Let's Encrypt
2. Create a parser that traverses said data, categorizes it, and saves information for later output
 - Each service will need its own dedicated parser since their data will likely be formatted differently with different information included
3. Maintain a receiving connection on our server (likely a tmux session) to receive the data over the network
4. Render the output from the parser on a web page with a run down of all the information that has been collected, such as how much data is kept for each category, how long the data has been kept for, and how different services compare in their maintenance of user data
5. Implement features such as a "Privacy Wiki" tab to educate users on how to manage their privacy settings, a data export button that lets them securely download the composite data from all sources organized into respective categories, and user authentication
6. Ensure that user data is discarded after it has been parsed unless with explicit permission from the user

Team 9
PROJECT CHARTER

Stakeholders:

- **Users** - Anyone who wants to be educated on how much of their data is stored and how that data could be used
- **Developers** - Lisa Le, Jacquie Yu, Jackson Oriez, and Nguyen Do
- **Project Manager** - Romil R Havewala
- **Project Owners** - Lisa Le, Jacquie Yu, Jackson Oriez, and Nguyen Do

Project Deliverables:

- Django web application that inputs data dumps from various tech giants, which is likely in JSON form, and outputs detailed graphs, charts, and textual explanations about each part using Matplotlib or Chart.js
- “Privacy Wiki” page that details users’ rights, laws about digital privacy, instructions to enable/disable various privacy settings on the respective websites, and a clear list of tradeoffs weighing a service against its ramifications to privacy
- Data export functionality that returns the input data dump in a more organized form, with clearly labelled folders such as “Geolocation”, “Messages”, or “Searches”
- Tools used include React.js, Python/Django, MySQL, and Heroku