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ITSC 3155

Fall 2021

Assignment 3-2

Design Sprint Day 1



Persona:

David Blaine



Job Title
IT Data Miner

Age
34 years

Highest Level of Education
Bachelors Degree in CS

Social Networks



Industry
Advertising and IT

Organization Size
15

Preferred Method of Communication

- Phone
- Email
- Face-To-face

Tools They Need to Do Their Job

- Linux OS
- Python
- Pycharm
- Computer

Job Responsibilities

Mining websites to extract user data to serve better advertisements

Their Job Is Measured By

The data extracted and Ad targeting

Reports to

Manager

Goals or Objectives

Grow his Company

- David Blane, Male, 31, IT Data Mining Professional

As a Data Miner, I want to list all the contents on a website so I can extract data and model it using graphs. He is now tasked with mining data for information in his current job.

Scenario:

David is now tasked with doing more than he usually is due to the pandemic and his company having to lay off some of his colleagues. He is on a deadline to crawl and extract data from many websites with an approaching deadline.



User Stories:

As a Data Miner, I want to utilize my hardware to parse data from the web quickly

As a Data Miner, I want to schedule tasks for web crawling.

As a Data Miner, I want to save the output into a file.

As a Data Miner, I want to make the source of my traffic anonymous

Features List:

Feature	Description
1. Multi-Thread Utilization	Efficiently utilizing hardware
2. Automation and scheduling	Preventing network congestion
3. Tor Network Connection	To anonymous the source sender
4. Open Source with a license agreement	To customize the Python code to customer needs