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ITSC 3155

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Assignment 3-2

Design Sprint Day 1


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David Blaine

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



Persona:

Stephanie Malboro

	Preferred Method of Communication <ul style="list-style-type: none">• Phone• Email• Face-To-face	Tools They Need to Do Their Job <ul style="list-style-type: none">• Invoicing Software• Email• Project Management• Cloud-Based Storage & File Sharing Applications• Reporting Software
Name Stephanie Malboro		
Job Title Network Penetration Tester		
Age 25 to 34 years	Job Responsibilities Scan websites and report exploits and bugs	Their Job Is Measured By Test Network and website for vulnerabilities
Highest Level of Education Master's degree (e.g. MA, MSc)		
Social Networks     	Reports to Supervisor	Goals or Objectives Grow his Company
Industry Technology		
Organization Size 11-50 employees		

- Stephanie Malboro, Female, 26, IT Penetration Tester
- As an IT Penetration Tester, I want to scan the contents on a website so I can check for security vulnerabilities. I now work for an IT security company that specializes in website protection.



Scenario:

Stephanie is now tasked with scanning the company's website for vulnerabilities and creating a report for the security team to address. The website scan should be exported into a CSV file showing the HTTP request information.

User Stories:

- As a Penetration Tester, I would like to scan websites for vulnerabilities.
- As a Penetration Tester, I want to schedule tasks for web scanning.
- As a Penetration Tester, I want to save the output into a CSV file.
- As a Penetration Tester, I want to make the source of my traffic anonymous to simulate an attacker

Features List:

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