## Craigslist Scraper Research Report

## Gear Trybe Inc. - Python Developer Intern Project

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## Project Objective

To develop a web scraper capable of extracting contact information from individuals selling cars on sfbay.craigslist.org. This tool aims to automate the process of gathering seller details, potentially for market research or lead generation purposes.

## Current Progress

### Completed Tasks

1. **Test File Creation**
   * Created a new Python file named test.py for testing purposes.
   * This file serves as the foundation for the scraper’s core functionality.
2. **Listing Navigation Implementation**
   * Developed functionality to navigate through multiple result listings on sfbay.craigslist.org.
   * Implemented a mechanism to simulate clicking the ‘next’ button, allowing the scraper to move through pages of listings systematically.

### Technical Details

* **Language:** Python
* **Target Website:** sfbay.craigslist.org
* **Key Feature:** Automated navigation through listing pages

## Next Steps

1. **Data Extraction Development**
   * Implement functions to extract relevant information from each listing, including:
     + Seller’s name (if available)
     + Contact phone number
     + Email address (if provided)
     + Vehicle details (make, model, year, price)Conclusion

The initial development phase has successfully established a foundation for the web scraper. The ability to navigate through listings is a crucial first step. Moving forward, the focus will be on expanding the scraper’s capabilities to extract and manage the required data while ensuring efficiency, reliability, and ethical compliance.