M4.13 Individual Assignment: Write a User Scenario About Your Team Project

By Bryan Finlayson

Alex is an avid reader and likes to stay informed about the latest news from various sources. He often finds it time-consuming to visit multiple news websites every morning.

"I wish there were an easy way I could get a summary of all the breaking news appearing across many leading newspapers," Alex moans. "I'm so out of the loop and Yahoo! News just isn't cutting it anymore."

Just then, Kelly, a coworker at Alex's marketing firm, stops by his office cubicle. Like Alex, Kelly is a news junky too.

"Hey, have you heard of this new tool called Headline Grabber?" Kelly asks. "It's so cool you gotta try it. Except, I think they should have dropped the 'e' from Grabber to make it Grabbr. More snappy that way, you know?"

"No I haven't heard of it," Alex says, feeling a bit surprised by Kelly's enthusiasm. He hasn't seen her this excited about a platform for news aggregation since the arrival of the now defunct Digg. "Yeah, I agree Grabbr is definitely a better product name. They should change it."

"It goes out to all my favorite news sites, grabs the latest headlines, and aggregates them into a streamlined report. Now I know what are the leading stories in newspapers all over the world. And the best part is it's free. You can download it from Github," she says. "You know, Github!", she adds reassuringly.

"Umm, Github," he repeats with a blank stare. "Right."

Vaguely recalling his computer science class from college that he barely passed, Alex stumbles around the web and eventually finds the source code on Github, downloads it and decides to give it a try.

After reading the README instructions, Alex opens his terminal and types the following command:

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$ python news_summarizer.py --sources "cnn,bbc,nytimes" --max-entries 10
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The tool begins fetching the latest headlines from The Boston Globe, The Washington Post, and The New York Times. Within seconds, it compiles a summary report, combining overlapping headlines into single entries to avoid duplication. Alex is amazed at how concise the report is: It

contains only the top 10 headlines, and each entry includes hyperlinks to the original articles for further reading.

The tool generates an HTML document and automatically opens it in Alex's browser. Alex skims through the summarized headlines, appreciating the time saved. He clicks on a few hyperlinks to read the full articles that interest him.

He leans back in his office chair and takes a sip of his lukewarm coffee, satisfied with how efficiently he can now stay updated. The tool becomes an integral part of his morning routine, ensuring he starts his day well-informed without the hassle of navigating multiple websites.

"Next time I see Kelly, I'll have to thank her for her recommendation!" Alex mutters to his computer screen. The screen flickers imperceptibly.