

IntelliNews Sprint 2

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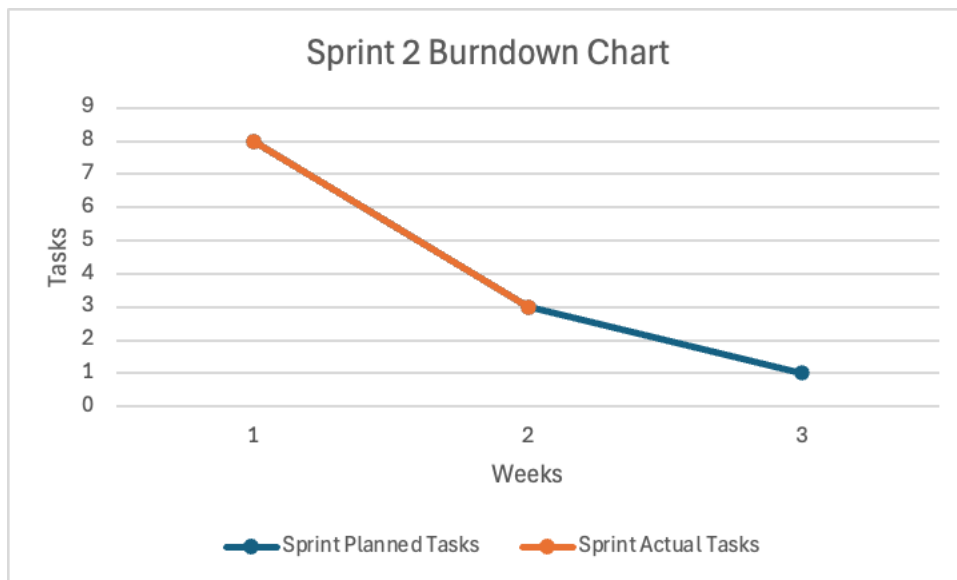
06/17/24

1. Scrum

a. Sprint 2 Backlog/Burndown Chart:

Sprint 2 Backlog:

Item	Priority	Completed
Fix headline scraper URL's	High	✓
Fully automate article scraping	High	✓
Integrate headline and article scraper	High	✓
Develop database for article data	High	✓
Clean up code	Med	✓
Enable selection between real-time and 24-hour trends	Med	✓
Enable date range selection for article search	Low	
Enable country selection for trends	Low	

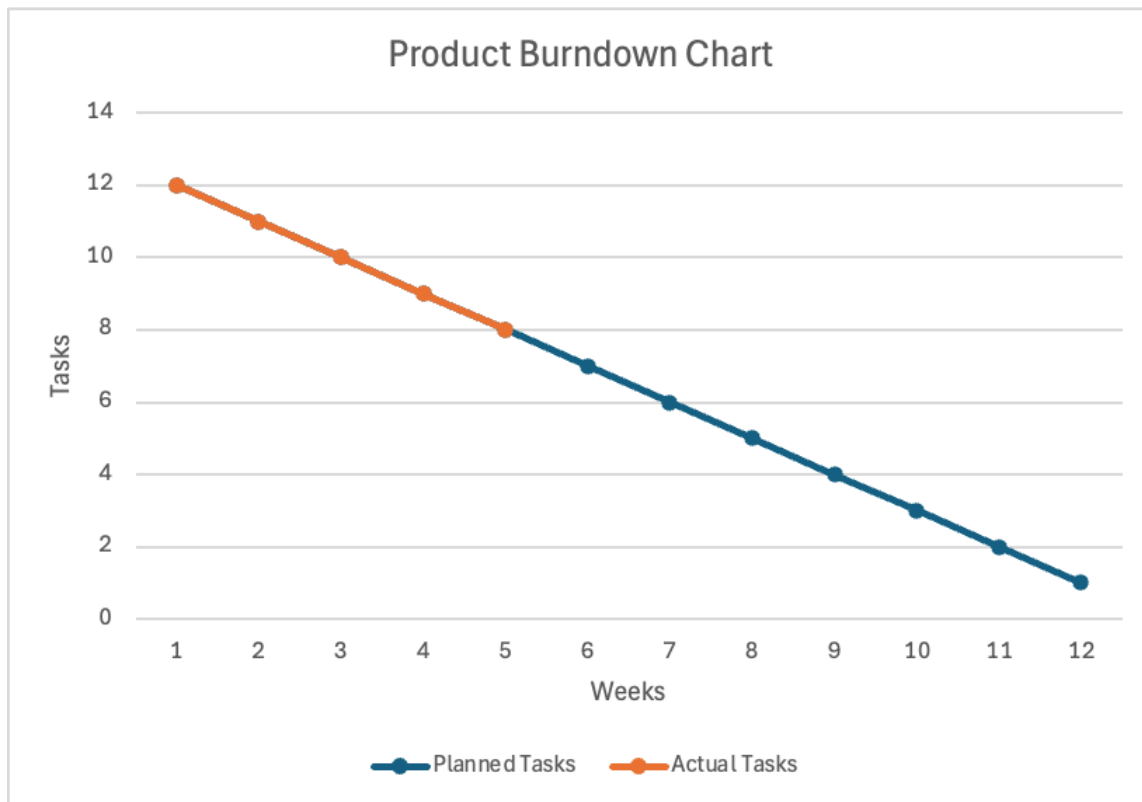


Commentary on the sprint burndown chart: Based on the sprint 2 burndown chart (which was created based on our product roadmap and sprint backlog) the project is on time and efficiency is at an optimal state thus far.

b. Product backlog (updated user stories)

- As a user outside of the United States, I would like the headlines to be more relevant to me.
- As a user, I would like to switch between live trending stories and stories trending over the past 24 hours.
- As a user who does not check the news frequently, I would like to see stories from a larger timeframe.
- As a user, I would like to see the sources corresponding to every statement in the summary.
- As a developer, I want to store the data scraped from the web in a database that is easily understood by a human and is easily accessible for natural language processing.

Overall Product Backlog/Burndown Chart:



c. Issue Tracking

2. Documentation and code for completed tasks

Headlines		Article body text
<p>Headlines</p> <p>Canada, Surrey, India</p>	<p>Links</p> <p>https://www.theglobeandmail.com/news/international/indian-attorney-accused-of-bribe-for-indian-police-man-filing-in-canada/article13621221.html</p>	<p>Article body text</p> <p>Young Gopal was found by the police when they were responding to the call of a shooting in Surrey on June 7 morning.</p> <p>SURREY, BC (The A) A 20-year-old Indian-origins man was shot dead in a suspected "baptized killing" in Canada's British Columbia province, according to the police, who have arrested and charged four people with first-degree murder.</p> <p>Young Gopal was found dead by the police when they were responding to the call of a shooting in Surrey on Friday, June 7, morning, the homicide unit of the Royal Canadian Mounted Police said in a statement.</p> <p>Gopal worked as a car assembler in Surrey, Global News reported, quoting his brother, Chans Gopal.</p> <p>His wife, Mrs. Mary Gopal, said she was killed and that they had no intention for her to lay any time to organized crime. Gopal's brother-in-law, Bannepally, said the victim was on the phone with his mother, who lives in India.</p> <p>"We were back home in Surrey, and they called us and said we had to go and see what was going on," said Chans Gopal.</p> <p>Police arrested four suspects – 20-year-old Manoj Bannepally of Surrey, 30-year-old Balraj Bannepally of Surrey, 30-year-old Babbar Francis of British Columbia, and 30-year-old Babbar Francis of British Columbia – shortly after the shooting. They were charged with first-degree murder, the Integrated Homicide Investigation Unit said.</p> <p>In a statement released on Saturday, the homicide unit said authorities were alerted to a vehicle fire shortly after the shooting. On Saturday, the four were charged with first-degree murder, the Integrated Homicide Investigation Unit said.</p> <p>Police said that while initial evidence suggests it was a "baptized" shooting, investigators are working to determine the reason that Gopal, a 20-year-old community member with no history of police contact, was killed.</p> <p>The homicide unit also urged anyone with information or people living in the area with dual-citizenship to contact the police.</p> <p>(Source: PTI)</p>

3. Demo Working Product System

Below is a sample run of our completed web scraper. It is only done on a small subset of data as it would take extremely long to run on the whole dataset.



4. For Progress report discussion

This and the past sprint were focused on finishing the first component of the application, the web scraper. The user stories we originally wrote had to be rewritten for specificity, as shown below:

- As a developer I want to have a program that takes news articles from the web so they can be fed to an LLM and condensed.
- As a developer I want my web scraper to copy the article's text into a database so it is easily organized by topic.

We did implement most of the elements in these user stories. Currently the 'database' system for the text is a .csv file. This works for the testing of the web scraper, but it may have to be changed into a text file for feeding the text to the LLM. We also added several potential enhancements to the issues tracker, which may be added to the backlog to improve the final product.

One of the issues we encountered with finding news sources and articles was finding ones without a paywall. While we know of some ways for users to get around paywalls, it is

different to expect a machine to be able to. Using the HTML alone helped, but this is an issue that will continue to need to be addressed.

The goal for this coming sprint will be to begin on the LLM condenser for the articles. We have a short list of possible open-source and free LLMs to use, and our first task will be choosing one for certain. After that we will begin training the model and testing it to ensure that the output is expected and correct.