

## NoCap: Fact Checking with AI

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2. Marius Silaghi [msilaghi@fit.edu](mailto:msilaghi@fit.edu) FIT CSE Professor
3. Progress of current Milestone (progress matrix)

Task	Completion %	Thomas	Anthony	Josh	Varun	To do
1. Continue prompt engineering for more consistent results	90%				100%	Continue improving prompts
2. Create graphs/visualizations for collected data		70%			30%	
3. Add accessibility features	100%		100%			
4. Connect reports to database for user viewing				100%		
5. Create poster for senior design showcase	80%	5%	85%	5%	5%	

4. Discussion (at least a paragraph) of each accomplished task (and obstacles) for the current Milestone:
  - Task 1: Improved prompt to ensure model knows the current date, and won't yield inconsistent results from whatever date it thinks it is instead. Also improved prompt to consistently reduce score for instances of inaccurate claims.
  - Task 2: Worked with the nova lite api to create meaningful visualizations. 2 graphs were generated, the first graph categorizes claims based on accuracy, sorting them with a bar chart into Accurate, inaccurate, and partially accurate claims. The second graph analyzes the language used to describe people and entities, tracking adjectives and descriptors as positive, negative, or neutral.
  - Task 3: Added the ability to enter the link into the input bar to generate a report and the input bar now says "Generating Report..." while the AI model is generating the authenticity report. Ensured that all areas of the website are accessible using the keyboard only using tab and enter, specifically changed so the tab button only tabs through the database filters if the filter menu is open as well as reaching the hamburger button. Changed colors of article and publisher score cards to be more accessible.

- Task 4: Made the aws bedrock output create an entry into the db and sets the current report card to the created db card. Added permissions to aws profile so that the ai backend is able to call db functions from aws.
  - Task 5: Added Motivation/Goal section, describing our project and its importance. Approach/Features section describes our 3 main pages being home, report, and database, our chrome extension, and our graphical visualization about each article. Pictures of our screens will be added once the final features are complete for more accurate viewing. Design/Implementation includes features like our specific AI model, system architecture, database, and sandbox environment. Evaluation Results includes performance, speed, accuracy, and user surveys, which still need to be conducted and added during the final milestone. The Limitations/Improvements section shows what improvements can be made in the future as well as what the project can not do and what's no longer in the scope of the project within the due date.
5. Discussion (at least a paragraph) of contribution of each team member to the current Milestone:
- Anthony: Applied all accessibility functions. These include tab features, ensuring all buttons and areas of the website are able to tab through, such as sidebar buttons, database filter options and menu buttons. Also ensured the user can use the enter button after inserting their desired article link into the input, which now says "Generating Report..." as it loads. Changed the report and publisher authenticity score icons so the text on background colors follow accessibility standards. Added logo to bottom of sidebar. Completed the Motivation/Goals, Approach/Features, most of Design/Implementation, Evaluation Results, and some of Limitations/Improvements sections of the poster.
  - Varun: Improved the prompting to yield better and more consistent results. Also helped with deciding what visualizations to put in the article reports.
  - Thomas: added to the prompt engineering to get the data we need from the nova lite model. Created two visualization charts.
  - Joshua:
    - i. Did a styling overhaul of the entire site including adding pages for cards in the database page, the publisher cards now only show 1 row of cards unless the show more button is clicked. Simplified the code across the project to remove any redundancies, unused imports or functions, and removed the duplicate sections of code. Added dark mode and the ability to like articles in the database.
    - ii. Connected the backend AI, database, and the frontend. The article link now goes from the frontend to the AI, which checks if it exists in the database. If it does then it pulls up that report in the report page. If it does not then it generates a report and creates an entry into the database then puts it on the report page.

6. Plan for the next Milestone (task matrix) or

Task	Thomas	Anthony	Josh	Varun
1. Finalize data graphs/visualizations	50%	0%	0%	50%

2. Cloud deployment	0%	0%	0%	100%
3. Test/demo of the entire system	25%	25%	25%	25%
4. Conduct evaluation and analyze results	25%	25%	25%	25%
5. Create user/developer manual	25%	25%	25%	25%
6. Create demo video	25%	25%	25%	25%

7. Discussion (at least a paragraph) of each planned task for the next Milestone or "Lessons Learned" if this is for Milestone 6
  - Task 1: The last part of the graph/visualization is connecting the data from the nova lite api to the visualization.
  - Task 2: We will use AWS cloud deployment to deploy our product using CI/CD pipelines in order for our product to be used by users around the world. Once deployed, we will conduct user surveys on a group of people in order to get their feedback on certain features of the website.
  - Task 3: We want to test every aspect of the project including the website with all of its article report generating, searching, filtering, and storing features, ensuring that all aspects work according to our expectations. Make sure it is accessible in as many aspects as possible including keyboard, color, and screen reading accessibility. Finally ensuring the chrome extension has full functionality as the report generating features on the website does.
  - Task 4: Conduct user evaluations where we task users with completing certain tasks like generating an authenticity report from an article, searching the database for a specific article, using different search filtering options, and using the chrome extension directly on an article page.
  - Task 5: We need to create a user and developer manual that describes the project as a whole. The user manual needs to include how to use each feature of the project, which should be simple to include, as our project does not have different types of users, just people who are looking to fact check or search previously fact checked articles. Our developer manual needs to include our system architecture diagram and description of it, description of source files, and description of methods/functions used throughout the project.
  - Task 6: Lastly we need to create a demo video that shows off all of the features of the project and explains them. This is to ensure users understand the uses and limitations of the project. This will be used at the Senior Design showcase to demo to participants and show them what our project is all about.
8. Date(s) of meeting(s) with Client during the current milestone: see Faculty Advisor meeting date below
9. Client feedback on the current milestone

- see Faculty Advisor Feedback below
10. Date(s) of meeting(s) with Faculty Advisor during the current milestone:
- 3/18/2026
11. Faculty Advisor feedback on each task for the current Milestone
- Task 1: Suggested we change our detailed analysis to be an itemized list of information rather than a paragraph which will reduce bloat and increase reading ease of use.
  - Task 2: Informed us that we need to keep our graphs consistent and told us our original idea of false/middle/true claims may be hard to calculate and categorize somewhat true or false claims, suggested we simply show true vs false claims and positive vs negative descriptive words and adjectives.
  - Task 3: Acknowledged the accessibility features such as ensuring the capability of using the website without only keyboard functions. Showed the tabbing features, enabling the use of the enter button on the search bar to submit the article instead of requiring the user to click the button, although both do work. Understood the adaptation of the article and publisher score colors to ensure accessibility.
  - Task 4: Showed our database page to completion, which now stores all articles made by the user. Showed him that the report page keeps the current article reports information even when switching between pages until a new article is selected from the database. Can also click on report cards in the database to open the report page with the information for that given article.
  - Task 5: Informed him that we have not completed user surveys yet, but will be proceeding with it during the next milestone as this milestone was very important for completing the main features of our website.
  - Task 6: Showed him the progress on our poster during the time of the meeting and informed him that we will continue working on it during our break and will be sure to send him our current draft of our poster when we send him our document for signing closer to the due date of the milestone.
12. Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

13. Evaluation by Faculty Advisor

- Faculty Advisor: detach and return this page to Dr. Chan (HC 209) or email the scores to pkc@cs.fit.edu
- Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)

Thomas	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Anthony	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Josh	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Varun	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

- Faculty Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_