Sugar Rush—set out on an adventure to the pantry!

Eating too much sugar can contribute to a variety of negative health conditions. There is currently a lack of awareness surrounding sugar content in various foods, and this web app aims to tackle that issue. It would be targeted at people of all ages and offers a playful yet educational experience. We will accomplish this by making a game where players will need to feed a hobbit throughout their day with seven different meals. The player will be presented with a selection of various foods and gets points by selecting the item with the least sugar. Each stage of the quiz will represent a different 'hobbit' meal (list below). Food items for each stage will be randomized from a pool of potential items, allowing for differing experiences for each playthrough. After selecting a food item, the items will show the corresponding amounts of sugar in sugar-cube form. The user will need to make it through this day without consuming more than the recommended amount (https://www.nhs.uk/live-well/eat-well/how-does-sugar-in-our-diet-affect-our-health), thus learning about the nutritional value of foods they consume regularly. Players would be able to share their results with their friends and family. Health data will be retrieved using nutritional APIs, such as Food Repo, BonAPI, CalorieNinjas, etc.

Hobbit Meal Times

- Breakfast - 7 a.m.
- Second Breakfast - 9 a.m.
- Elevenses - 11 a.m.
- Luncheon - 1 p.m.
- Afternoon Tea - 3 p.m.
- Dinner - 6 p.m.
- Supper - 9 p.m.

Extra additional things if we have time:

- Different hobbits with different dietary needs
- Add custom food items
- Expand to include things other than sugar (fat, protein, &c.)

Idea 1: Interactive map of news (Worldwide News, News Spotlight, News Beacon, insert cleverer names here, mapthenews, Charlotte's News)

No more TLDR – stay informed visually!

Serious problem:

Currently, people tend to have a localized or news-networks-specific view of ongoing news and events. Our proposed website would help put the news into a global perspective and provide a visualization of where news headlines are coming from. This would allow people to stay informed and open minded about news from different areas of the world and aid people who prefer visual representation compared to just a lot of words to receive news more efficiently. A 'heat-map' style implementation would be visually pleasing and allow users to identify where news is concentrated. The map would also be interactive – encouraging exploration to find out more about headline events and allowing user to filter headlines depending on their interests (e.g., COVID, natural disasters, etc.). We would use APIs to pull news articles and highlight key words and utilize something like word clouds to pick up the most popular words to allow automatic heat mapping.

Integrating play:

The map is interactive and encourages exploration to find out more about the headlines. A 'heat-map' style implementation would be visually pleasing and allow users to identify where news is concentrated.

What are we making:

- Will be using a pair of APIs to pull news articles and highlight key words from them
- Explore news around the world using certain tags (I.e., earthquake, covid, &c.)
- Something like word clouds to pick up the most popular words to allow automatic heat mapping

Idea 2: Sugar intake quiz (Sugar Escape, Sugar Rush, SugarCut, Avoid Diabetes, Sugar Bowl, Glucode)