News Extension:

Software Process: I think the agile process will be the best choice for me because I will be learning through a lot of the process and it will allow me to change things easily. Also, since I’ll be working alone, I won’t have to worry about keeping team members up to date.

Use cases:

* Normal Use:
  + Goes to <https://addons.mozilla.org/en-US/firefox/> and downloads the extension files.
  + Once the extension is installed, they will see a clickable icon on their toolbar.
  + When clicked a dropdown box will appear with a list of articles from the new York times front page.
  + On the left side will be a navigation bar where the user can choose sections like Arts, Health, U.S., international, etc. the nav bar will be stationary while the list of articles may scroll.
  + If a user clicks on a headline then a new tab will open to the article on the nyt website.
* Changing settings
  + At the bottom of the navigation bar, will be a settings tab.
  + When the user clicks settings, they will be taken to the options page where they will be able to toggle the extension between dark and light mode.
  + They will also be able to change to a simple view with just title and author, no pictures, in order to lower load times
  + They can also change the default section they want to see when the ext opens
  + Another setting will allow them to change the size of the window that appears when they open the ext. (I’m picturing a slide bar)
* IF THERE IS TIME (Optional/ future functionality v2.0):
  + Add more than just the NYT and add a bar above the article content that allows the user to filter by source or view them all together.
  + In the settings they will be able to toggle which sources they want to appear in the merged list.
  + On the toolbar will be a search icon that, when clicked, will bring up a search bar where the user can search nyt for specific articles.

Schedule:

1. Decide on the libraries and frameworks (jquery or react)
2. Begin development of the front end ext
   1. Create content layout
   2. Structure the web pages(if multiple)
   3. Create the sidebar with functionality
   4. Create the options page with an integrated donation link
3. Integrate NYT API
   1. Be able to parse JSON
   2. Display content on the web page
4. Find images and icons for the sidebar and toolbar buttons