**Game News App Proposal**

**Languages:**  Java + JavaScript

**Overview**

App that utilizes Google Search API (or other API/ or directly access html pages somehow?) to give user a feed of gaming related news stories (videos?) depending on a user supplied list of games they are interested in.

**General Flow**

**Intial Startup:** The user asked for a list of games that they’re interested which they create a list of. They click OK then a “twitter” type feed of website articles and YouTube videos are returned based on the games they listed. User created list is saved into a locally stored .txt file. 20 entries are displayed in a scrollable list.

**On Sequential Startup:** When the user starts up the program again, the program checks to see if the locally stored txt file exists, if so it loads into an array list variable that would then be put into the Search API??? If the txt file doesn’t exist, then the initial startup process would occur again.

**User Input:** When the user clicks a “block” item in the feed the user’s main browser opens a new tab of the page they had clicked.

**UI/Basic Interaction**

**Settings Window:**

* UI that allows user to add or delete items in a list “window”. Should also include a Confirm/OK button and a Cancel button.
* Clicking the OK button will overwrite the locally stored txt file with the list the user has made in this page and close the settings window
* Clicking the Cancel button will simply close the settings window and not make any changes to the txt file
* Upon opening the settings window, the list window should be populated with items retrieved from the txt file
* See “Settings Screen” folder in Reference Pictures for proposed general layout

**Main Feed:**

* Scroll bar to allow user to scroll down feed. Once at the bottom of the scroll bar, additional articles should be added to feed.
* Corner cogwheel to allow user to go to settings window
* Articles should be sectioned off into blocks containing the page name, URL, and snippet (descriptive text)
* See “Main Feed” folder in Reference Pictures for proposed general layout

**Basic Code Overview**

**Settings Window:**

* StreamReader to read in txt file and then to write over existing txt file when user changes list
* Clicking OK button should refresh feed in Main Feed window

**Main Feed:**

* Use API to retrieve JSON data
* Parse out JSON and display relevant information into each block

**Warnings/Error Messages**

* If no articles are returned for search
* User not connected to internet/unable to retrieve articles due to connection issue

**Questions**

* Which API to use
* How to handle separate searches for each game and then how should this feed be displayed. Should there be tabs for each separate game, a mix of different articles for each game, or both?

**Document Updates**

06/24/2018 – Initial Proposal

6/26/2018 – Added new sections, added some clarity