



UNIVERSITY OF
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Department of Informatics

CO7201 Individual Project

Feed Reader

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Preliminary Report

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Project motivations

Many people check their favorite websites for updates frequently. Here has an easier way. Considering most popular websites have RSS(Really Simple Syndication), we can make use of this support by using RSS feed reader. Although those websites also provide Tweeter or Reddit subscribe feature, RSS feed reader can be more purify to users, no other irrelevant contents, only display what you subscribed, at least no advertisement distraction. Google feed reader is an excellent software which favored by many people, unfortunately, it closed in 2014. I'm not so interested in the reason cause it's happening. Because there have enough alternatives products to replace google feed reader. As a programmer, an RSS feed reader user, I got the opportunity to implement it by myself this time.

Main challenges

To know what are the features this program has to implement.

To determine what languages and frameworks are going to be used to implement this program.

To generate well-formed report documents.

To store information in Dropbox from Javascript.

Requirements:

Essential:

Add subscriptions to all the RSS feed. Save, add the flag.

Recommended:

Share to social media.

Search feed feature.

Store data to the Dropbox to make it portable.

Import and export OPML.

Optional:

Make this project can be run as a cross-platform software, or generate other executable clients, such as the android app, ios app, Linux desktop client, browser plugin, by adding some code to the core module.

Technical specifications:

Using HTML, CSS, Javascript to implement this system.

Background material:

w3school javascript tutorial (<https://www.w3schools.com/js/>)

awesome-javascript (<https://github.com/sorrycc/awesome-javascript>)

Project plan

Have a basic understanding of most feed reader's features	(Feb 10th – Feb 20th)
Learning JavaScript	(Feb 20th – Mar 10th)
Learning Dropbox API	(Mar 10th – Mar 15th)
Start to code for this project	(Mar 15th – Mar 20th)
Finish essential part for basic function	(Mar 20th – Mar 30th)
Finish extra feature in recommended part	(Apr 1st – Apr 10th)
Finish optional part	(Apr 10th – Apr 21th)
Write documents for this project.	(Apr 21th – Apr 30th)