All In One Book

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# Preface

“All In One Book” Application provides quick access to the user’s feeds from popular websites such as Facebook, Twitter, Instagram etc. The data is prioritized and ranked such that the user can quickly glance and go through the updates from the various content sources in one place instead of signing into every single application.

### Purpose of this Document

This document is a User Requirement and System Requirement document for the Application “All in One Book”. This Project is for the course IT 484/584 - Software Engineering.

### Audience

This document is intended for the Development Team, QA Team and the Upper Management of “All In One Book” Application. and the Users of the Application “All in One Book”. This project also serves as good background and introduction for the Users.

### Version History

V 1.0   02/17/2015 - First Draft

# Introduction

The main purpose of creating this webpage is to link all of the social media webpages into one. It would make the usage of social media more approachable. Basically it would show all the news feeds and notifications of social media websites (user chooses the websites to be linked to the webpage) in a live view.

What we are going to need is a user-friendly webpage in which we can link all of the social media sites. All of the APIs for the social media sites are available online. We will try to make is as user friendly as possible. It would have different tabs with the respective social media notifications. As of right now we have planned it to be compatible only for desktops.

# Requirements

* We have combined system and user requirements together for multiple reason
  + It is hard to differentiate between the two when your application is purely web-based
  + In the current state we have no need for multiple permission levels. Thus not requiring a magnitude of different levels of access.
  + In future revisions we might add admins, marketing, analytics, advertisements, etc. At that given time, an update to user requirements will be needed.
* Social Media sites that will be included on launch
  + Twitter (Allow user to see timelines, post tweets, and all social data)
  + Facebook (Allow user to see current people, photos, and events)
  + Tumblr (Allow user to read and write on a Tumblr post)
  + Instagram (Allow user to see notifications and current pictures)
* Social Media sites that will be included after launch
  + LinkedIn (Currently changing their api/requirements to obtain api)
  + Myspace (Not as popular as it use to be so the need isn't as great)
  + Pinterest (Allow users to see what's new on their favorite pinboards)
* Social Media sites that are currently out of scope but could be revisited in the future
  + Skype (Would be nice to be able to message friends)
  + Reddit (Would be nice to be able to follow your favorite posts/see who commented on your posts.)
* Functional Requirements
  + The system shall allow users to decide which website’s information are displayed
  + The system shall allow users to decide which channels on a website are displayed
    - Think choosing with YouTube channels, Twitter accounts, etc.
  + The system shall have secure measures taken to ensure no data breaches occur
  + The system shall prompt first time users are prompted to sign up
  + The system automatically reload reoccurring users to their current widget setup after login
  + As a user I can resize each of my widgets to the sizes I prefer
  + As a user I am allowed to decide which features of a widget I get
  + As a user when I log out, I can no longer access the website
* Non-functional Requirements
  + The will refresh on a constant rate to get new information so the user does not have to constantly refresh(live view)
  + Having Onebook open will not slow down the performance of your machine
  + Will be able to scale to as many user as possible
  + It will be available in English and eventually broaden the scope to multiple languages
  + As new social media outlets become created, our website will be able to easily adapt their api’s
  + A simplistic UI will allow the most novice computer user the ability operate
  + From a security standpoint, we will follow internet standards while handling each users data
  + Each widget will have meet a certain standard of use and style before being deployed on the website



# System Evolution

Specifications

* + Performance of the system may be improved
  + New requirements are added when the Software is used
  + Estimate amount of effort to build.
  + Errors are to be fixed.