BusyWrite Proposal

Discussion for busy people

BusyWrite is the perfect solution for *team writing*. The concept of *writing as a team* has been around for a long time, by services like *Google Docs,* but the approaches are impractical and unproductive.

Limited time is the number one bottleneck of teamwork. Therefore, most of the time, discussion is done while writing. Teams cannot afford time to match document structure, details and opinions between every participant, and therefore resolve the conflicts *on-the-go.* However, this is troublesome with pre-existing services. Often, several people write the same thing. Often, two people realize they have different opinions after writing. Often, time is wasted unifying words and styles. Often, 20% of people do 80% of the work. These are all caused by not able to discuss properly *on-the-go.* That's why we want to help teams with *BusyWrite,* a service to speed up team collaboration.

Speed up team collaboration

BusyWrite separate writing and merging. Normally, participants write on the same file, writing and merging simultaneously, which is troublesome. The concept of participants writing different parts and stacking them up to get a whole is an utopian thought; nobody is certain if everyone understands the same thing. On *BusyWrite*, instead of just writing straight to a file, users make *bubbles. A bubble* is a unit of thought that users write on. With bubbles, several people can write simultaneously and merge after resolving conflicts. Bubbles will help you cherry-pick your own version of the draft.

BusyWrite recognizes similar contexts. Similar Bubbles are merged automatically, while different ones are notified. Also, bubbles can have tags. *BusyWrite* will see if tags match throughout the file. This way, each participant do not have to go back and forth for consistency. It is also possible to put hotkeys on different bubbles to easily switch different bubbles. Users can choose if *BusyWrite* should do all the merging process automatically, partially or the user can do by him/herself. *BusyWrite* can be used just for this feature. Tasks like note-taking can be done with *BusyWrite.* If you don't have time to find where to put a bubble, it's okay. *BusyWrite* clusters similar bubbles. Just put it anywhere and it will find the best place for you!

BusyWrite recognizes changes: change of voice, expression and even opinions. Anything that can cause inconsistency will be marked and alerted. *BusyWrite* will track every changes and let you know if something goes wrong.

BusyWrite helps you organize new ideas. New ideas are important, but they result in lots of changes. Accepting new ideas is hostile, as it is unknown what revisions are needed and how many. *BusyWrite* shows users new ideas in a sidebar. It shows each idea with parts that are subject to change: lines, paragraphs and even other ideas!

BusyWrite knows who to blame. *BusyWrite* generates a report for every work a team has made. *BusyWrite* understands every user is busy, and therefore will not allow any free-riders.

BusyWrite works with other applications. Busy people cannot always use *BusyWrite*. It's okay. *BusyWrite* can handle that. Users can import files from computer or from other services like *Google Drive, Dropbox* or *Evernote*.

BusyWrite as a team member

BusyWrite, is not just a web service, nor thousands lines of code; it is a member of your team. It works to accelerate your team. It links with other services to analyze your notes and create automatic bubbles, *busy bubbles*. Information relevant to your team's work is crawled and made into bubbles. *Busy bubbles* are created from messengers like *slack,* from other note services like *evernote*, or from anywhere on the web. It will search *google* or *wikipedia* to grab relevant contents into bubbles with citation. *BusyWrite* will make sure the whole web is on your side.

BusyWrite wants to contribute more to your team. Everyday, *BusyWrite* learns how bubbles should be organized. *BusyWrite* learns to order bubbles by sweeping through the web. It will search for relevant articles of your work and learn the structures of articles. Every corner of the web will improve *BusyWrite*'s collaboration ability. *BusyWrite* learns from how users act. It will learn from your thoughtful choices like manually merging bubbles.

Testing & Demo

The final report of this team project will be written with *BusyWrite* and the whole collaborating procedure will be timed and screen-recorded for final presentation. The video will be edited into a kick-off video of *BusyWrite*. There are some classes that involve team final reports. Our team would ask some people taking those classes to use our software. A usability test can be conducted.