Turtl

Securing and Encrypting Notes, Documents, and Data

Submitted to:

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Unique Reference:

The documents are stored in the https://github.com/brianpesy/turtlios

Document Purpose:

The document aims to inform the users how the thought process of creating the software. Through its ideologies and synchronized mindset, everyone will be on the same page when checking out different functionalities within the software itself.

Furthermore, it spans the software's goals and purpose in order to fully understand why the software is being used right now and what makes it stand out from the rest.

Target Audience:

The users will be mainly comprised of people who would like to keep their documents online and safe. Namely, they would be students, office workers, businessmen, authors, artists, teachers, and travellers. This way, their data will always be accessible online for convenience and to them only in order to attain that goal of privacy as well, unless they decide to share their documents and data with other people.

Revision Control:

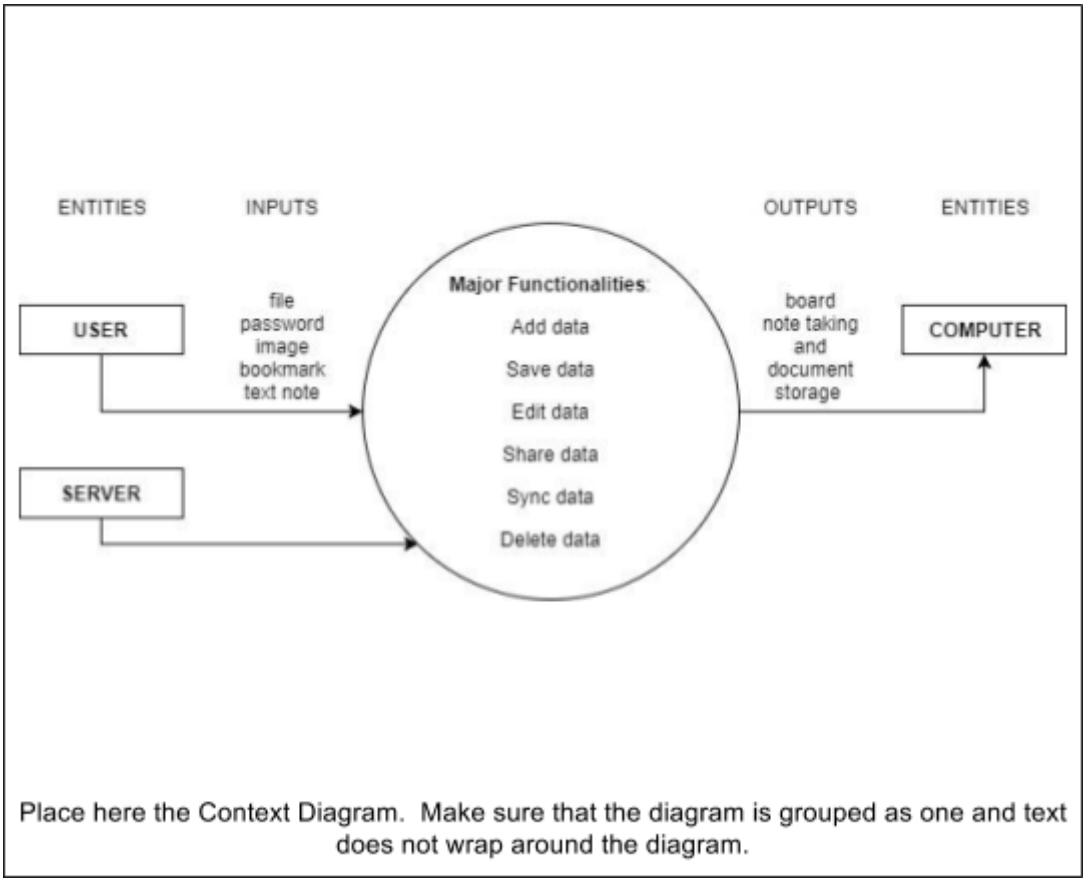
Revision Date	*Person Responsible*	*Version Number*	*Modification*
9/1/2017	Brian Nicholas Sy	1.0	Initial document; added document purpose, target audience, project titles and descriptions
9/1/2017	Joan Nicole Balugay	1.1	Added list of entities, major inputs, major outputs, and major functionalities
9/3/2017	Ethan Ram Mangaoang	1.2	Added descriptions to entities, major inputs, and major outputs.
9/3/2017	Brian Nicholas Sy	1.3	Added to entities and major outputs
9/5/2017	Joan Nicole Balugay	1.4	Added the context diagram

Project Title: Turtl

Description:

Turtl is a software whose primary goal is to secure your documents, data, and information privately. It aims to be a collaborative workplace for everybody without the need of worrying whether or not data can be secure or if it's possible to share documents or, even smaller things like passwords, together. As privacy is the main goal, it prevents not only hackers but also government surveillance from looking around at these documents. On top of these safety measures, it aims to also provide a smooth and easy-to-learn user experience in order for the users to be able to start as soon as they want at their own pace. With its upcoming iOS port, this software aims to target an even larger audience on top of an existing user-base as more people will be able to access this. This way, people will be able to access an open-source method to be able to secure and share their data at will in a technologically advancing society where security is our utmost responsibility.

Context Diagram:



Place here the Context Diagram. Make sure that the diagram is grouped as one and text does not wrap around the diagram.

Entities:

1. User - the person using the app
2. Server - facilitates the transmission of data along with data storage online along with the encryption process
3. Computer - It can be a desktop computer or a smartphone used to access the application.

Major Inputs:

1. File - can be files of any type, uploaded by the user. However, if the user wants to view the file after uploading it, he/she must first download it. Thus, this feature focuses more on storage (like dropbox).
2. Password - information for various accounts that the user owns. The user can put a title for the account, and then input its corresponding username and password. The user can then click on the 'lock' icon to reveal the password for the account when viewing it.
3. Image - can be a URL of an image in the internet or an image uploaded by the user. The user can also put a title, description, and tag for the chosen image.
4. Bookmark - a URL of a website. The user can also put a title for the link and put a short description. Clicking on it will open the link in a browser.
5. Text note - works just like Sticky Notes in Windows, but the user can put a title to a note and format the text using *Markdown.*

Major Outputs:

1. board - a board can consist of a combination of any of the following: file, password, image, bookmark, text note. A board can also contain a board, but can be nested at most one level only.
2. Note taking and document storage - this is where the data will be placed and more easily accessible to the users in order to share and edit data quickly

Major Functionalities:

1. Add data
2. Save data
3. Edit data
4. Share data
5. Sync data
6. Delete data