Turtl

Use Case Diagram

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:

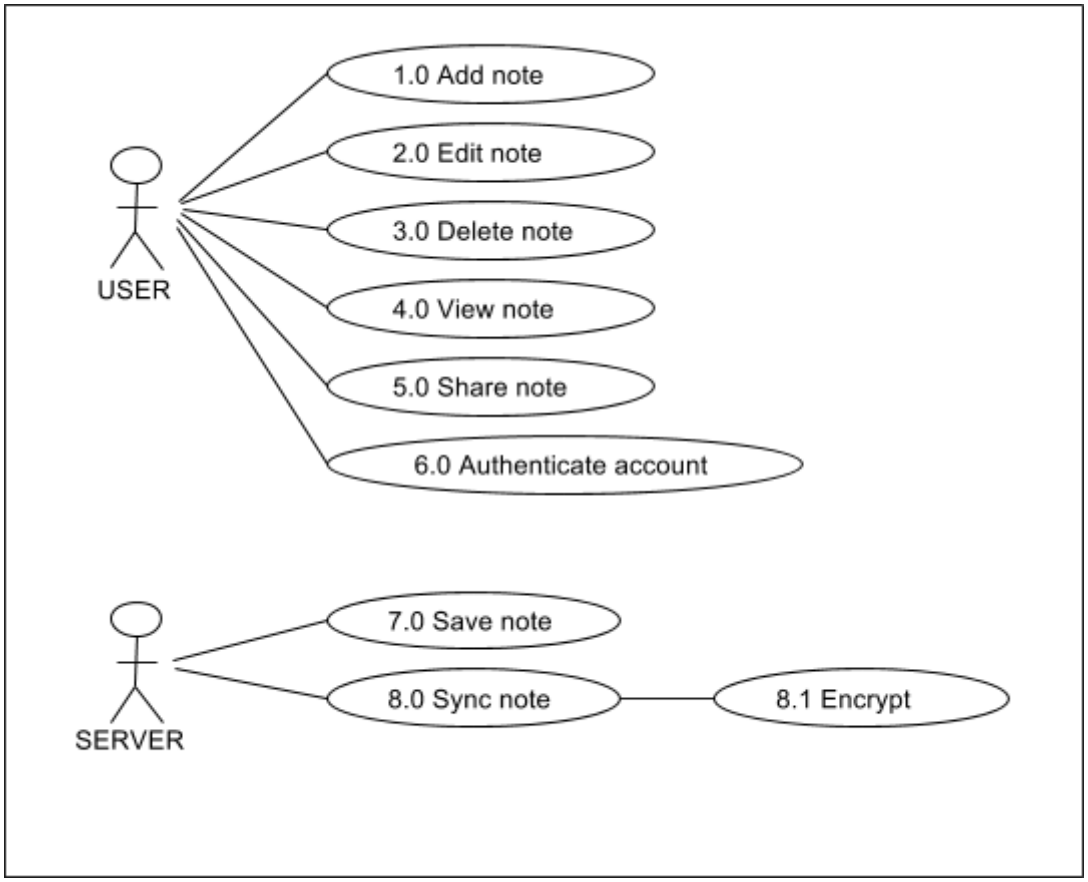
Revision Date	*Person Responsible*	*Version Number*	*Modification*
9/1/2017	Brian Nicholas Sy	1.0	Initial document; added document purpose, target audience, project titles and descriptions
9/1/2017	Joan Nicole Balugay	1.1	Added list of entities, major inputs, major outputs, and major functionalities
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
9/20/2017	Joan Nicole Balugay	2.0	Added the use case diagram and list of actors and use-cases
9/21/2017	Brian Nicholas Sy	2.1	Added descriptions and modified the use-case (general, for actors, and for the use-case)

System Name: 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.

Use-Case Diagram:



List of Actors:

Actors	Description
User	This is the user itself, the one who will be using the application. Inputs can come from the user and the different functions associated with it that are directly connected to the user experience must be connected. This way it will make the application more accessible and flexible.
Server	Work that cannot be done by the user themselves will be done by the server. This would include tasks such as saving, syncing, and encrypting. These are server-side tasks that cannot necessarily be done directly by the user but instead doable through the server as the nature of these tasks would be for synchronization and saving of files.

List of Use-cases:

Use-Case	Description
Use-Case 1.0 Add note	The user will be able to add notes and by doing so, add different things such as texts and uploading photos and files.
Use-Case 2.0 Edit note	When the user is done adding the note and would like to edit it in the future, this is where this function comes in. This way, it will help the user not “permanently” have the files stuck as how they were when created but instead be updated.
Use-Case 3.0 Delete note	When a note isn’t needed anymore, all the files and pictures associated with the note and whatever edits that were placed on there will be deleted as well. This will help organize as unnecessary notes can be deleted and reduce clutter.
Use-Case 4.0 View note	Viewing notes is important as you can see what different notes you have linked to your account and when clicking on a note, you can see what is stored within the note without having to edit anything.
Use-Case 5.0 Share note	Sharing notes will be from the user as there will be a user to user sharing system where they can share notes with each other. This sharing system will be done using the account names that is registered to every account.
Use-Case 6.0 Authenticate Account	Authenticating the account in order to use Turtl is a must, and its input is from the user itself. This way, Turtl can track which user will be saving which note and the whole process of sharing can be done seamlessly.
Use-Case 7.0 Save notes	Saving the notes will be essential and done by the server. This function will make all the changes saved from the edits become viewable the next time around. Through this, it can track the progression of the notes by saving the files appropriately.
Use-Case 8.0 Sync notes	Syncing the notes will also be done by the server and it is done similarly. This way, the files will be accessible on the servers of Turtl and accessible anywhere as long as you have the mobile

	or desktop version.
Use-Case 8.1 Encrypt	Encryption is a key part of Turtl as it aims for total privacy of your notes. The server will be encrypting the notes after syncing them in order to safely store them and keep them for you and only you unless specified by the user if they would like to share the note with another user.