

Deliverable 0: High-Level Description

PVault is an Android application that allows the user to store and access identifying and personal documents such as a driver license (or state ID card), student ID card, social security card, birth certificate, library card, or passport. This would allow users to carry important documents securely and easily. Since PVault exists on a cell phone, the application is portable and users would be able to access their documents from any place and at any time. Personal documents can be stored on a user's cell phone and on the website, easily accessible for when that user wants to show them to someone for identification purposes or when the user wants to remember a particular piece of information that exists on a saved document. This would be in direct contrast with the current method of having this information on hand: carrying several cards in a wallet. PVault is significantly more secure than this alternative, as there are no passwords for physical wallets, and it gives users the option of not carrying around all that sensitive information in physical form.

Users will be able to create an account with a valid email address to ensure confidentiality and integrity of personal documents. There will also be a seamless integration with a web interface. The Android application would synchronize its datastore with the web interface's datastore. Users will be able to use the web interface to upload and manage personal documents. They would also be able manage accessibility settings for their documents. Additionally, users will be able to take photos of documents and upload them to the website. Personal documents can be saved to the phone for easy access, even when the phone is not connected to the internet. Personal documents will remain secure as they can only be accessed by a user with the correct credentials. In addition, they will be encrypted with the account credentials.