

Product Description

Cybercrime is an exponentially growing threat to the modern internet enveloping billion dollar companies and consumers alike. According to a Statista survey in 2018 over 85% of consumers believe they are at risk of being a victim to a cyber attack.

Recently VPN providers and anti virus software have exploded into the market by providing security tools direct to consumers, but these tools still neglect basic security needs that are currently only remedied in large businesses.

Our platform puts that much needed power directly in the hands of users with a multi faceted and beginner friendly software that gives them a greater piece of mind. Our platform will give users a constantly growing library of security tools including file encryption, device scans, and much much more.

User Description and Persona

User Description	Home computer user educated on aspects of cybersecurity	An HR employee who has to deal with a lot of sensitive documents.	An employee with high security clearance who has a lot of unique passwords.
Goal	To provide multiple security tools they can use on a regular basis	To provide a secure application to store documents.	A secure password manager platform where all their respective login information can be stored.
Motivation	The platform gives users the ability to fill security and privacy gaps on their home devices	The application has a user friendly environment, and is a better way to organize documents.	The application makes the process of logging into accounts quick and easy.
Frustration	They understand the risks of being on the internet and desire privacy and security	The employee is in the process of moving from physical documents to	It is tedious to keep track of many different passwords and it makes the login

		digital and wants to keep their documents safe and secure.	process longer than it should be.
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Use Cases

Other use case ideas: Delete account, activate product(must buy product before use, similar to an antivirus), start trial, end trial, change password, start subscription, end subscription

Use Case 1	Register Account
Actors	User
Pre-Conditions	Stable Internet Connection User Email Must Be New
Flow on Control	<ol style="list-style-type: none"> 1. Click Register <ol style="list-style-type: none"> a. Display input fields and submit button 2. Fill out presented fields 3. Click submit <ol style="list-style-type: none"> a. Validate field inputs b. Update database on our end
Post-Conditions	The program displays new user profile and grants them access to product activation page.
Error-Condition	User input is invalid <ul style="list-style-type: none"> • Empty fields • Non-secure password • Exceeded character count • Email already exists in our database
Non-Functional Requirements	Data should be processed and updated within 3 seconds

Use Case 2	Log In
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Actors	User
Pre-Conditions	Stable Internet Connection
Flow on Control	<ol style="list-style-type: none"> 1. User enters username and password 2. User presses Enter or login button
Post-Conditions	User is logged in. User is taken to the main menu.
Error-Condition	Wrong username. Wrong Password. Username does not exist. Password is incorrect.
Non-Functional Requirements	Data should be processed and updated within 3 seconds

Use Case 3	Encrypt File
Actors	User
Pre-Conditions	Stable Internet Connection User is logged in
Flow on Control	<ol style="list-style-type: none"> 1. Choose "Upload File" option 2. Choose the file you wish to be decrypted. 3. Choose "Encrypt" option
Post-Conditions	File is encrypted
Error-Condition	Wrong file type. File is blank.
Non-Functional Requirements	Data should be processed and updated within 5 seconds

Use Case 4	Decrypt File
Actors	User
Pre-Conditions	Stable Internet Connection. User is logged in.
Flow of Control	<ol style="list-style-type: none"> 1. Choose "Upload File" option 2. Choose the file you wish to be decrypted. 3. Choose "Decrypt" option
Post-Conditions	File is decrypted.
Error-Conditions	Wrong file type. File is blank.
Non-Functional Requirements	Data should be processed and updated within 5 seconds.

Use Case 5	Individual File Scan for Hidden Files
Actors	User
Pre-Conditions	Stable Internet Connection. User is logged in.
Flow of Control	<ol style="list-style-type: none"> 1. Choose "Individual File Scan" Option 2. Choose file you wish to be scanned 3. If file contains other files, "extract hidden files" prompt appears, user clicks yes or no
Post-Conditions	File is scanned. Hidden files are extracted if the user chooses so.
Error-Conditions	Wrong file type . File is blank.
Non-Functional Requirements	Data should be processed and updated

	within 5 seconds
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Use Case 6	Whole Device Scan for Hidden Files
Actors	User
Pre-Conditions	Stable Internet Connection User is logged in
Flow of Control	<ol style="list-style-type: none"> 1. Choose "Whole Device Scan" Option 2. User confirms they want their whole device scanned. 3. If the device contains hidden files, "extract hidden files" prompt appears, user clicks yes or no.
Post-Conditions	Entire device is scanned. Hidden files are extracted if the user chooses so.
Error-Conditions	
Non-Functional Requirements	Data should be processed and updated within 10 seconds

Use Case 7	Password Vault
Actors	User
Pre-Conditions	Stable Internet Connection User is logged in
Flow of Control	<ol style="list-style-type: none"> 1. Choose "Account Information" option
Post-Conditions	User is taken to Account Information Menu

Error-Conditions	
Non-Functional Requirements	Data should be processed and updated within 3 seconds

Use Case 8	Add Account Information
Actors	User
Pre-Conditions	Stable Internet Connection User is logged in User is in Account Information Menu
Flow of Control	<ol style="list-style-type: none"> 1. Choose "Add account Information" option 2. User Enters information they wish to add.
Post-Conditions	Changes are saved. User is taken to Account Information Menu
Error-Conditions	User input is invalid <ul style="list-style-type: none"> • Exceeded character count
Non-Functional Requirements	Data should be processed and updated within 3 seconds

Use Case 9	Edit Account Information
Actors	User
Pre-Conditions	Stable Internet Connection User is logged in User is in Account Information Menu
Flow of Control	<ol style="list-style-type: none"> 1. Choose "Edit Account Information" option 2. User edits fields they wish to change
Post-Conditions	Changes are saved. User is taken to the Account Information Menu.

Error-Conditions	User input is invalid <ul style="list-style-type: none"> • Empty fields • Non-secure password • Exceeded character count
Non-Functional Requirements	Data should be processed and updated within 3 seconds

Use Case 10	Delete Account Information
Actors	User
Pre-Conditions	Stable Internet Connection User is logged in User is in Account Information Menu
Flow of Control	<ol style="list-style-type: none"> 1. Choose "Delete account Information" option 2. User is asked to confirm
Post-Conditions	Changes are saved. User is logged out.
Error-Conditions	
Non-Functional Requirements	Data should be processed and updated within 5 seconds

Use Case 11	Return to Main Menu
Actors	User
Pre-Conditions	Stable Internet Connection User is logged in User is in Account Information Menu
Flow of Control	<ol style="list-style-type: none"> 1. Choose "Return to Main Menu" Option

Post-Conditions	User is taken to main menu
Error-Conditions	
Non-Functional Requirements	Data should be processed and updated within 3 seconds

Non-Goals

- Antivirus
- VPN
- Virus detection

UI/UX

Non-functional System and Environment Requirements

- Security
- Descriptive Icon Names
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Timeline

Q1					Q2			
Frontend	X	X			X	X		
Backend		X	X	X	X	X		
Testing						X	X	
Debug							X	X

Changelog

DATE	Change

