

Functional Spec

Team Number	07	Section	04
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Software Name	Password Manager		

Note: You need to **clean up the document** before submitting. (Including this note)

1. Problem Statement

The problem is ...

2. Functional Requirements

This product has these features:

1. It's awesome!
2. ...

3. References

All references you used go here ...

4. Use Cases

Use Case Name		Log in into System
Goal		
This use case describes how a user login into the system.		
Participating Actors		
The actors who are interacting with the system e.g.: user, system		
Glossary		
N/A		
Primary Flow of Events		
Trigger		
e.g.: -User runs the application -User clicks on "Log In" button		
Steps	Action	System Response
1	Run the application	
2		Show the login page
3	Enter username and passwords then press "Enter"	
4		Verifies user name and password
5		Show the main page
Alternate Flow of Events		
Alternate Trigger		
The user enters wrong password or username		
Steps	Action	System Response
1	Enter the wrong username or password	
2		Show the message in red " Wrong user name or password. Please try again"
Alternate Flow of Events		
Alternate Trigger		
The user click on sign up button		
Steps	Action	System Response
1	Click on sign up button	
2		Redirects the user to Sign up page

Use Case Name		Sign Up
Goal		
This use case describes how a user signs up new account		
Participating Actors		
The actors who are interacting with the system e.g.: user, system		
Glossary		
N/A		
Primary Flow of Events		
Trigger		
e.g.: -User runs the application -User clicks on "Sign up" button		
Steps	Action	System Response
1	Run the application	
2		Show the login page
3	Click on "Sign Up" button	
4		Show the "Sign Up" page
5	Enter username, passwords, and re-enter password, security question, answer	
6	Click "Submit" button	
7		Verifies user name and password
8		Show the message" Succeed creating a new account"
9		Show the login page
Alternate Flow of Events		
Alternate Trigger 1		
The user enters an invalid user name or password		
Steps	Action	System Response
1	Enter the invalid username or password	
2		Show the message in red " your user name or password is invalid. Please try again"
Alternate Trigger 2		
The user enters an existing User Name		
Steps	Action	System Response
1	Enter an invalid username or password	
2		Show the message in red " User name already exists. Please choose new user name or go to log in page"
Alternate Trigger 3		
The user clicks the "Cancel" button		
Steps	Action	System Response

1	Click "Cancel" button	
2		Show the "login" page

Use Case Name		Reset Master Password
Goal		
This use case describes how a user reset a master password		
Participating Actors		
The actors who are interacting with the system e.g.: user, system		
Glossary		
N/A		
Primary Flow of Events		
Trigger		
e.g.: -User runs the application -User clicks on "Forgot Password" button		
Steps	Action	System Response
1	Run the application	
2		Show the login page
3	Enter username and passwords then press "Forgot Password"	
4		Show the page with security question
5	Enter the answer for security question	
6		Show the page to set new password
7	Enter a new password and re-enter password	
8	Click Submit	
9		Show the message " Success change password"
10	Click "Log In" button	
11		Return to log in page
Alternate Flow of Events		
Alternate Trigger		
The user enters the wrong answer for security question		
Steps	Action	System Response
1	Enter the wrong username or password	
2		Show the message in red " Wrong answer. Please try again"

Alternate Flow of Events		
Alternate Trigger		
The user clicks the "Submit" button before filling in a new password or invalid new password		
Steps	Action	System Response
1	Click on "Submit" button	
2		Show the red message "Invalid new password. Please try again."

Use Case Name		Delete Account
Goal		
User can delete the account they already created		
Participating Actors		
User, system		
Glossary		
Primary Flow of Events		
Trigger		
<ul style="list-style-type: none">- User click on setting account- User click on Delete button- Users click yes to confirm the action.		
Steps	Action	System Response
1	Click to setting account	Change to setting account
2	Click to delete button	Show to confirm form
3	Click yes to confirm	Execute the action
4		
5		
Alternate Flow of Events		
Alternate Trigger		
<ul style="list-style-type: none">- Click on Delete button- Click yes button		
Steps	Action	System Response
1	Click on Delete Button	Error to confirm the action
2	Click yes to confirm	Not show the yes button to confirm
3		

Use Case Name		Copy button
Goal		
User can use this button to copy the text user already type in		
Participating Actors		
User, system		
Glossary		
Primary Flow of Events		
Trigger		
- User type to the password blank bar and click to copy button		
Steps	Action	System Response
1	Users type to the password blank bar and click to copy button	Copied the text user type to blank bar
2		
3		
4		
5		
Alternate Flow of Events		
Alternate Trigger		
- User click to copy button		
Steps	Action	System Response
1	User click to copy button	Can't past the copy text after user click on copy button
2		
3		

Use Case Name		Edit password
Goal		
User can change password in the account		
Participating Actors		
User, system		
Glossary		
Primary Flow of Events		
Trigger		
- user		
Steps	Action	System Response
1		
2		
3		
4		
5		
Alternate Flow of Events		
Alternate Trigger		
- user leave a row empty and try to update password		
Steps	Action	System Response
1	user leave a row empty and click on update button	show an error and ask user to complete the empty row
2		
3		

Use Case Name	Edit email	
Goal		
User can change email in the account		
Participating Actors		
User, system		
Glossary		
Primary Flow of Events		
Trigger		
- user		
Steps	Action	
1		
2		
3		
4		
5		
Alternate Flow of Events		
Alternate Trigger		
- user leave a row empty and try to update password		
Steps	Action	
1	user leave a row empty and click on update button	show an error and ask user to complete the empty row
2		
3		

5. Mockup

Mockup goes here [There are a lot of free online mockup tools.]

For example, Adobe XD was used in previous semesters
(available at: <https://www.adobe.com/products/xd.html>)

Password Manager

User Name :

Password :

Sign Up

User Name :

User Name require: 8-24 characters

Password :

Password require:

Reenter Password:

- 8-24 characters
- At least 1 special character (!@#\$%^&*())

Security Question:

- At least 1 digit (0-9)
- At least 1 capital letter (A-Z)

Answer:

Password Manager

User Name :

Password :

**Wrong user name or password.
Please retry!**

Reset Password

Question : What is your favorite TV show?

Answer :

Reset Password

Question : What is your favorite TV show?

Answer :

Wrong answer. Please retry!

Password Manager

Expired Password

Application	User Name	Action
Google	ABCDEG1234	<input type="button" value="Edit"/>
Amazon	ABCDEG1234	<input type="button" value="Edit"/>
Redit	ABCDEG1234	<input type="button" value="Edit"/>

Password Manager

User Name:

And

Or

Application:

Submit

Main Page

Search Result

Application	User Name	Expire	Action
Google	ABCDEG1234	03/01/22	Edit Copy
Amazon	ABCDEG1234	03/02/22	Edit Copy
Redit	ABCDEG1234	03/04/22	Edit Copy

Main Page

Change Password

User Name :	<input type="text"/>	User Name require: 8-24 characters
Password :	<input type="text"/>	Password require: - 8-24 characters
Reenter Password:	<input type="text"/>	- At least 1 special character (!@#\$%^&*())
<div>Submit Cancel</div>		

Change Email

Current Email :	<input type="text"/>
New Email :	<input type="text"/>
Repeat New Email :	<input type="text"/>
<div>Submit Cancel</div>	

6. Glossary
