

PASSMORD

3652

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CONTENT



- 1 Concept
- 2 Flowchart
- 3 Database
- **4** Demonstration

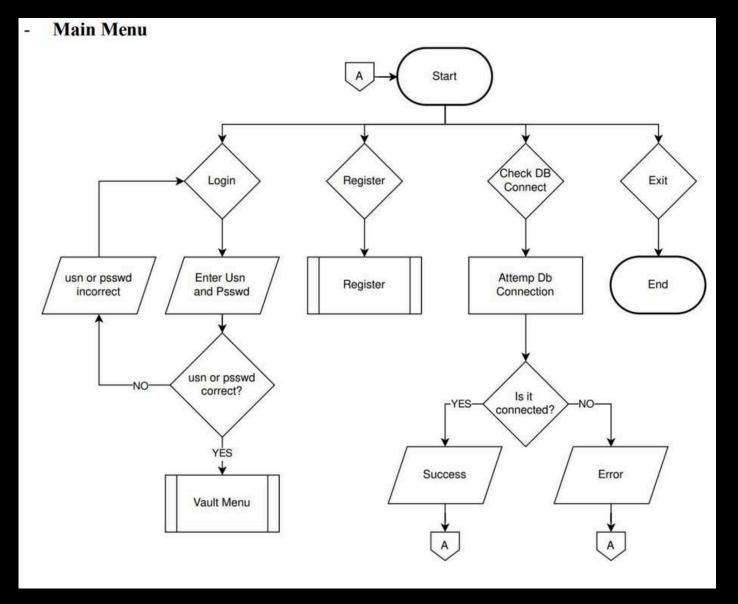


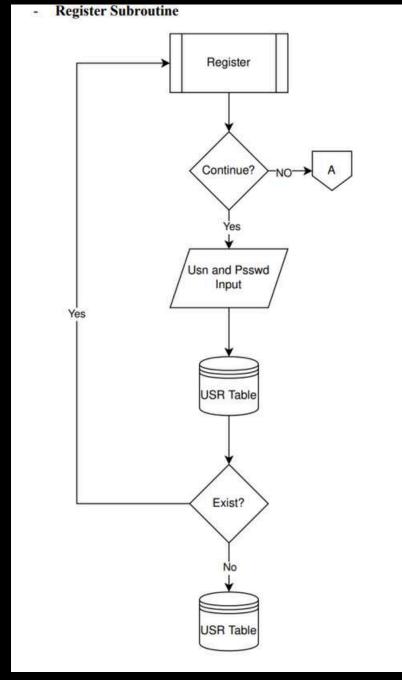
CONCEPT

the concept of our project is to make a great password manager program with a CRUD (create, read, update, delete) method and applying a security measure



FLOWCHART



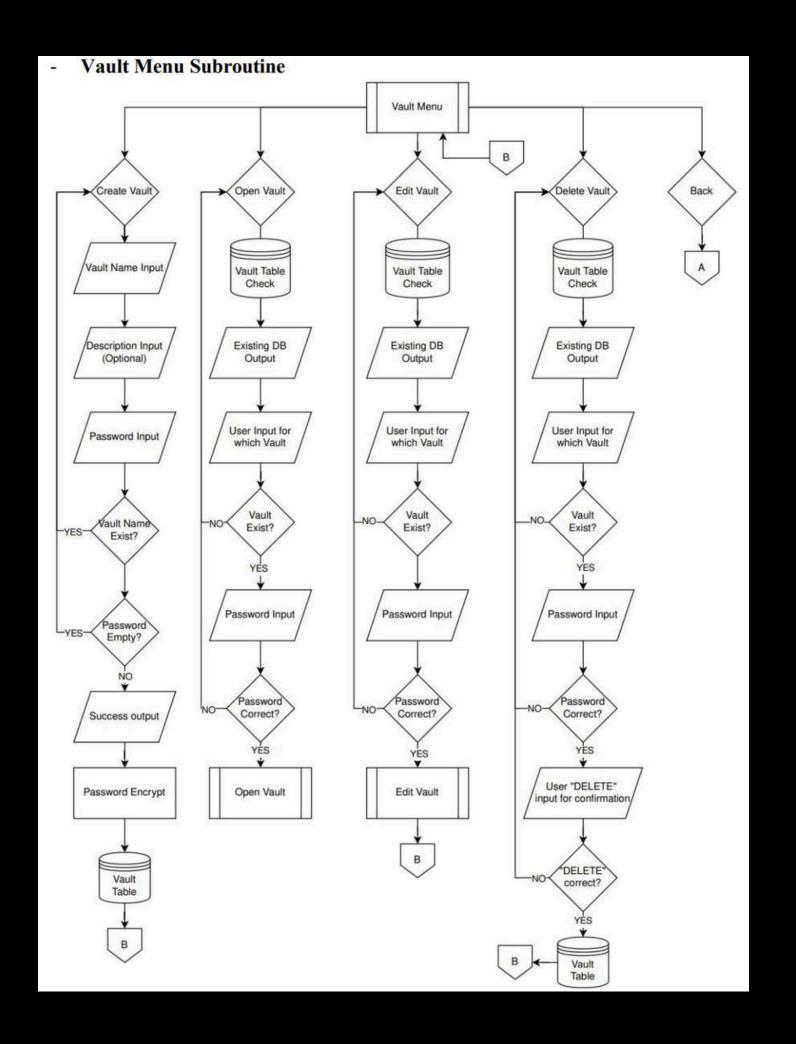


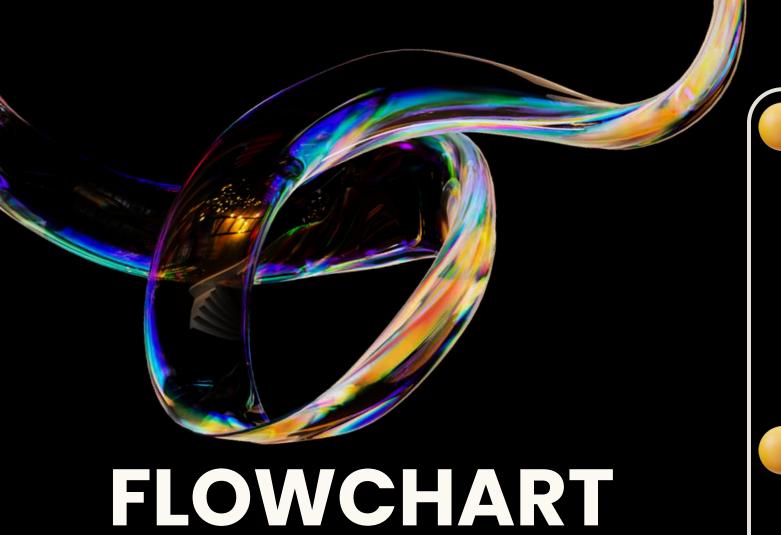




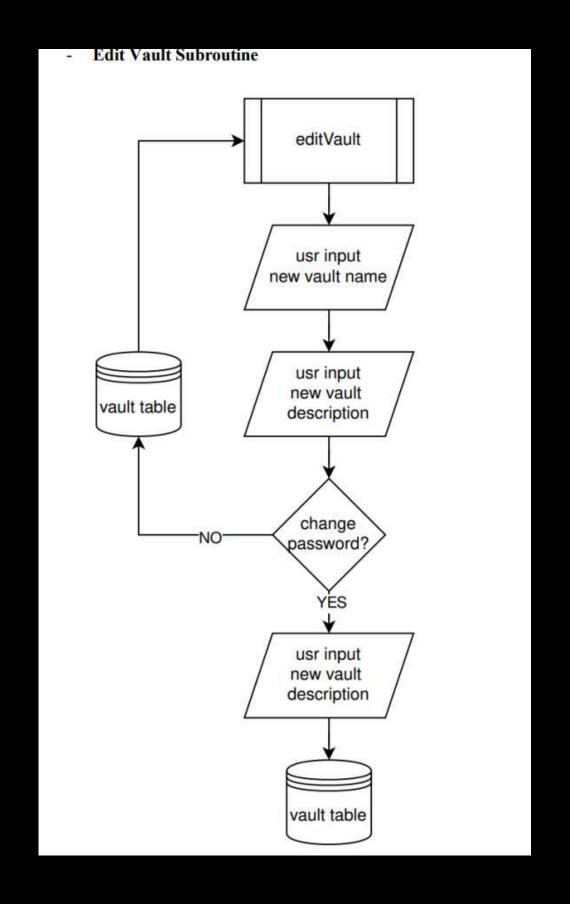
FLOWCHART







(\Rightarrow)





DATABASE ERD



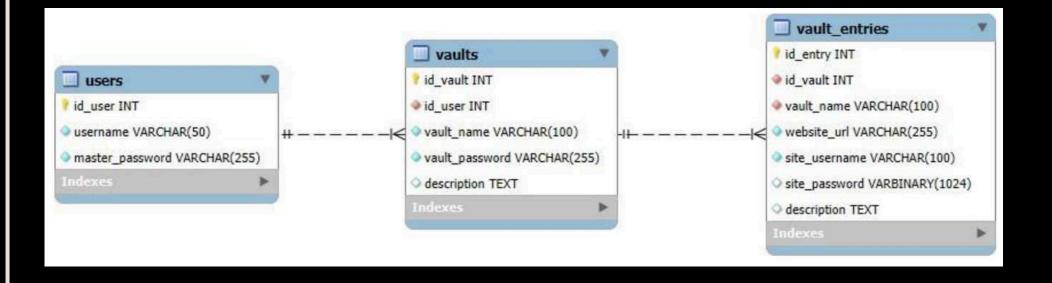




TABLE STRUCTURE



User Table

Column name	Data type	Size	Null	Key	Default	Notes	Delete rule
id_user	int	ĩ	Not null	PK	Auto_increment	Primary key	-
username	varchar	50	Not null	unique	- 	Unique across system	-
master_password	Varchar	255	Not null		₩.	Stores berypt hash	-

Indexes: UNIQUE KEY uq_user_username (username)



TABLE STRUCTURE



Vault Table

1	-	-			Ī		1
Column name	Data type	Siz e	Nul 1	Ke y	Default	Notes	Delete rule
id_vault	int	•	Not null	PK	auto_increme nt	Primary Key	72
id_user	int		Not null	FK	•	References users(id_user)	ON DELETE CASCAD E
vault_name	varcha r	100	Not null	- F	•	Display name for vault	: =
vault_passwor d	varcha r	255	Not null	= 3	=:	Berypt hash of vault master	8=
description	TEXT	.=	Nul 1	E		Optional notes	গ্ৰন্থ

Indexes:

- UNIQUE KEY uq_vaults_user_vaultname (id_user, vault_name) (unique vault name per user)
- UNIQUE KEY uq_vaults_idvault_username (id_vault, vault_name)



TABLE STRUCTURE



Vault Entries Table

Column name	Data type	Size	Nul l	Ke y	Default	Notes	Delet e rule
id_entry	int	30	Nut null	PK	auto_increme nt	Primary key	-
id_vault	int		Not null	FK	ı	Part of composite FK to vaults	-
vault_name	varchar	100	Not null	FK	i	Part of composite FK to vaults	-
website_url	varchar	255	Not null	S T U	:#A	service/site or label url	ā
site_userna me	varchar	100	Not null			Account username/email	9
site_passwo rd	VARBINA RY	102 4	Nul 1			Encrypted/Enco ded secret	-
description	TEXT	3	Nul 1		2	Optional notes	

Indexes&constraint:

- PRIMARY KEY (id_entry)
- KEY idx_entries_vault (id_vault)
- KEY fk_entries_vault_composite (id_vault, vault_name)
- FOREIGN KEY (id_vault, vault_name) REFERENCES vaults (id_vault, vault_name)
 ON DELETE CASCADE ON UPDATE CASCADE



THANKS

for your time and attention

by Kelompok 2 3CS2