

CIS 641 01 - IP - Systems Analysis and Design (F24)
IC3 - CRC + Class + Object Models

Team members:

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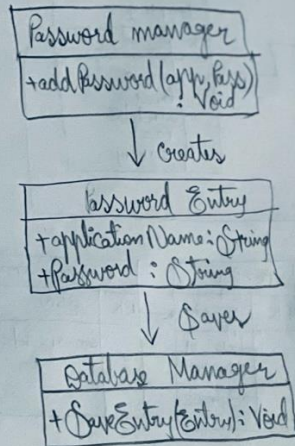
CRC card(s):

<u>CRC Card :- 1</u>	
Class Name :- Password manager	Collaborators :- 1) user interface - communicates with user to receive input. examples - password length, special characters etc. - displays the generated Password to the user. 2) data base connection: handles the interaction with database to save & retrieve the password.
Description :- this is responsible for generating random Passwords, with customizable options such as: length, numbers, special characters.	
Responsibilities :- 1) Generate Password 2) validate Password 3) save Password 4) copy Password.	

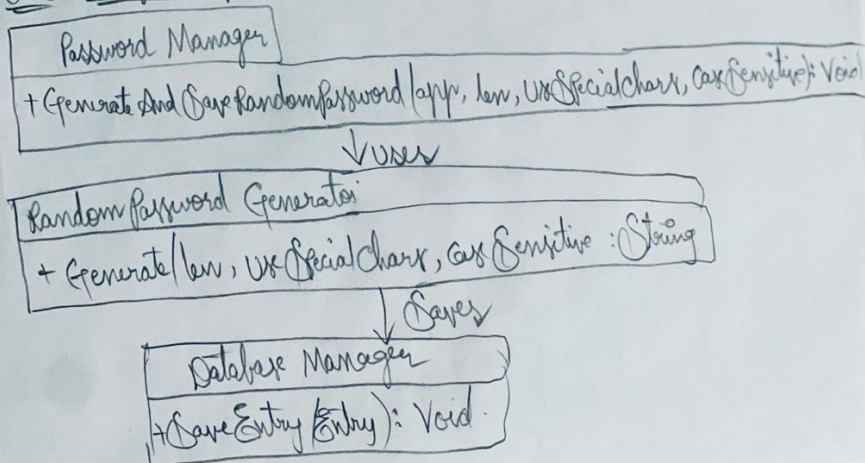
<u>CRC card :- 2</u>	
Class Name :- user interface	Collaborators :- 1) password manager - sends the user input to password manager to generate a password & retrieve the result. 2) data base connection :- sends request to database connection for retrieving the saved passwords if the user wants to view them.
Description :- this class handles all the interaction with the user allows them to generate password & choose whether to save/copy the password.	
Responsibilities :- 1) Get user input 2) display Password. 3) trigger the action (copy/re-generate)	

Class diagram: Class diagrams for adding a password and random password generator:

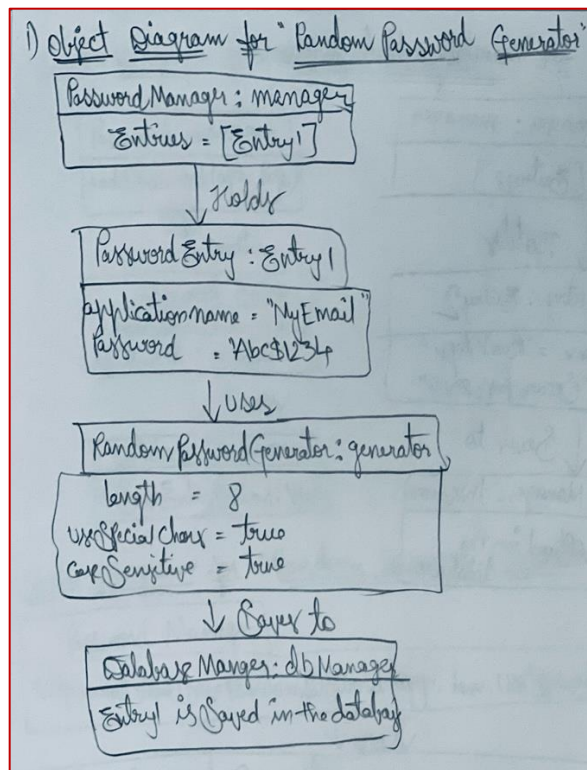
Class Diagram for Adding Password:



Class Diagram for "Random Password Generator":



Object diagram for Random password generator:



Object diagram for Manually added password:

