**CSI 2300 Project Proposal**

**Encryption Application**

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**What I want to Build:** I want to build a simple yet secure encryption and decryption program. A program that will allow people/users to encode and decode any text they wish, ensuring that sensitive information is kept safe.

**Why I Want to Build It:** I want to build this program because Its something that can be used by anyone. In todays world, there are many hacks an breaches where passwords can be stolen. I wish to make a program where a user can type in a password or words to encrypt, then It saves in a secure area, such as a library in the program.

**Why its useful and how it will be used:** Its useful to save and encrypt passwords or sensitive information. Storing them in a place where they can be accessed and decoded. For example, if you have 5 passwords saved, you can select from a menu where you can choose to decrypt it so you can see it in plain text and use it.

**How it will work:** The user has a menu to choose from, Encrypt text, decrypt text, and view stored passwords (which will be encrypted). The user can encrypt a password, or as many as they want. After they enter the text to encrypt, they will be promoted to say what its for (Like if its your password for Google, Say “Google Password”). Then it saves to the stored passwords tab. If they wish to decrypt and view say their google password, they simply select it in the menu, and it will decrypt and be viewable. I will also add some security features so that people cant have unauthorized access.