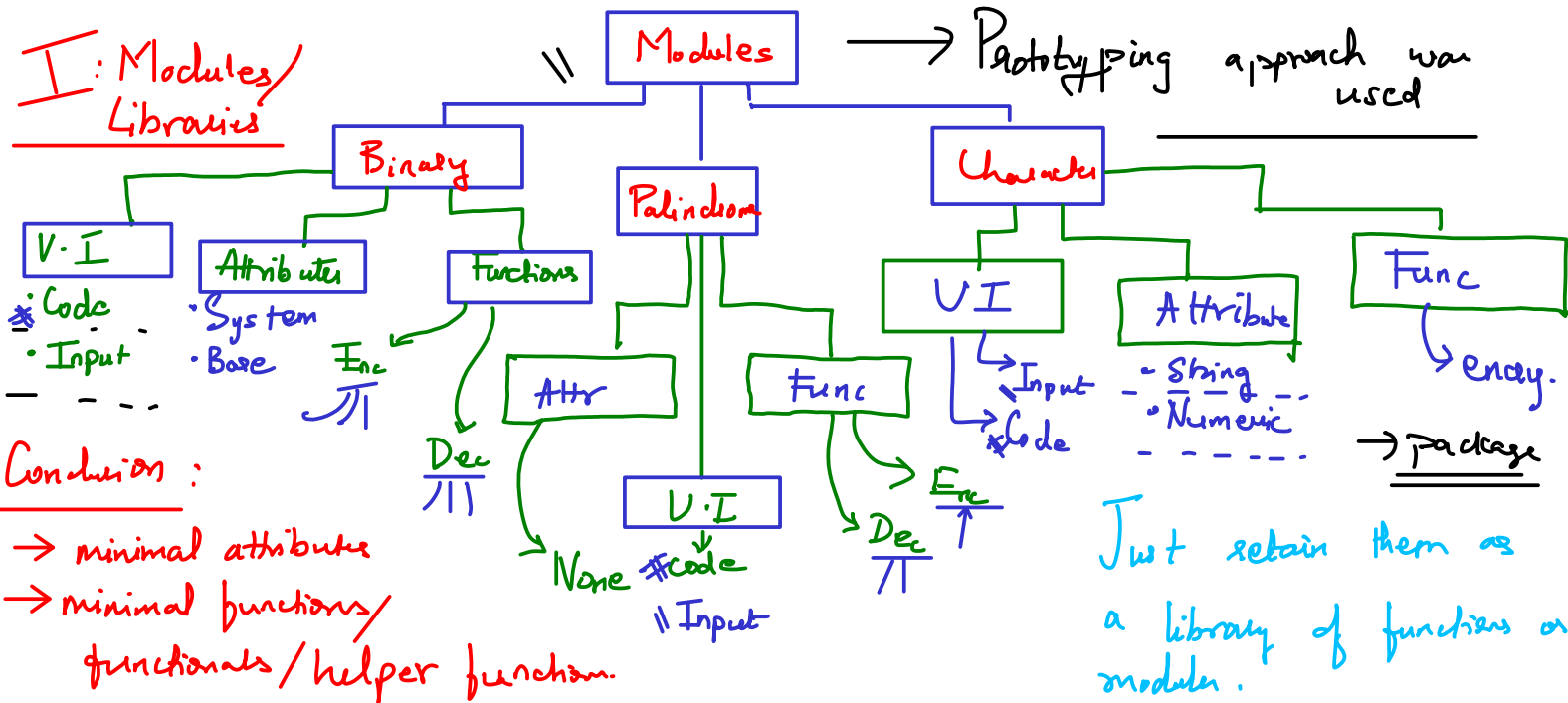


Benefits outweigh the penalty

## PLANNING OF DATASTRUCTURES & CLASSES

### I: Modules/Libraries



Classes are a good exercise but not an effective choice.

### II Application: (Login interface)

Proof of work

Postman

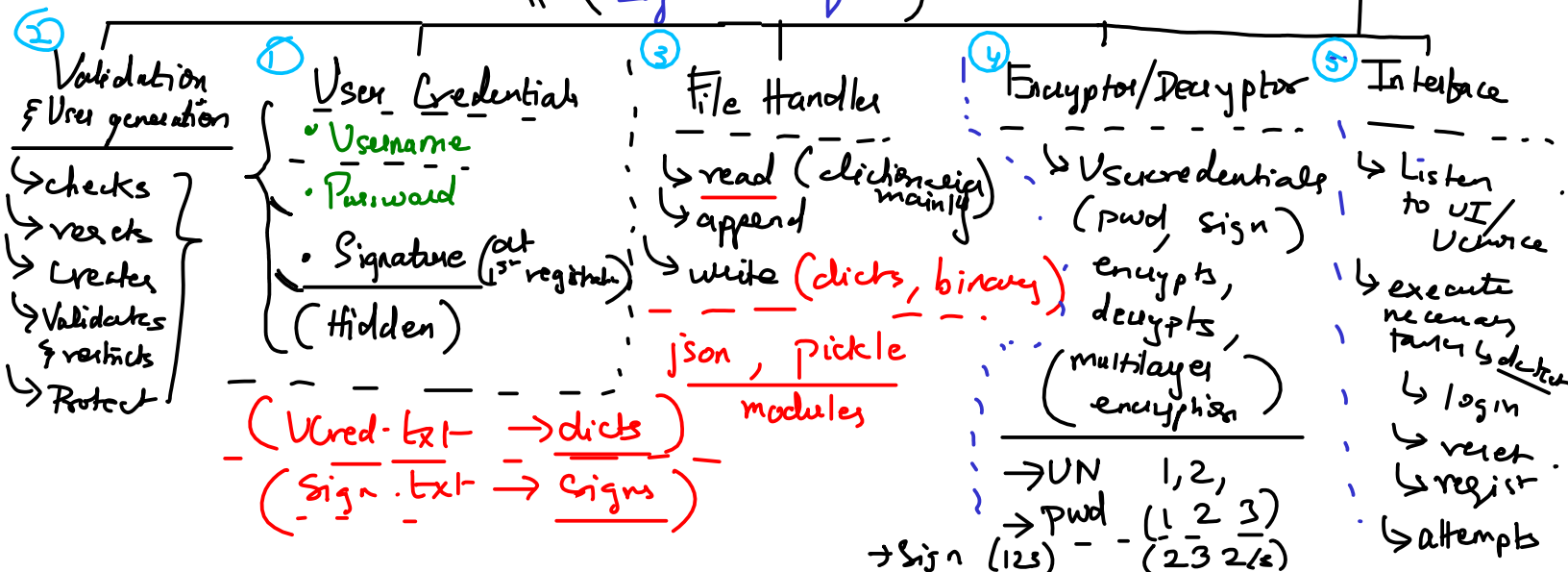
Http requests

→ Flask

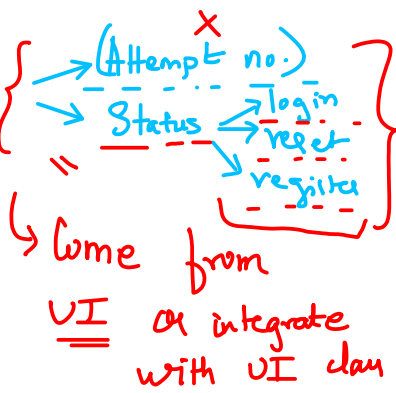
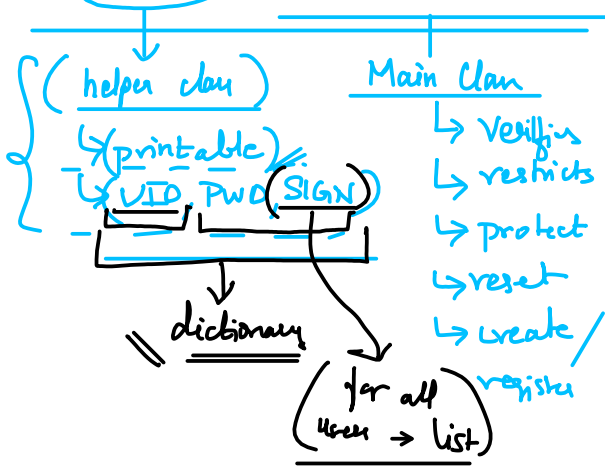
REST API

Server hosting (HTML)

### (Login Interface)



① V. Grid    ② Valid<sup>n</sup> & bincrat<sup>n</sup>



→ Link ① & ② under a single class

→ ① - helper class  
② - inherits from ① & builds on

## ⑤ UI

→ prompting the user  
(lot of if else, while loops)

→ login/reset/register status as output & input for V & G<sup>n</sup> engine

## ④ (Encryption/Decryption class) ✓ (Helper Class)

class uses enc/dec modules

→ no. of layers encrypt required

→ UID, PWD

\* Functions:

→ encrypt

→ UID

→ PWD

→ enc PWD

→ enc SIGN

→ lists

→ dictionaries

(Highlevel planning or planned approach)

## ③ File handler ✓

(Helper Class) (Utility Class)

→ read

→ dict (json)

→ binary

→ append/write

→ Online app

