Technical Design Document

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Program Description:

Program that allows users to input a phone number, social security number, and a zip code and verify the validity of the codes. After using a function to test the validity of the codes the program displays the status of the codes.

Functions Used in the Program

1. Function Name: main()

* Description: This function is where the user inputs the information they would like to have verified.
* Variables:
  + Str answer
  + str phoneNum
  + Str ssNum
  + Str zipCode
* Logical steps:
  + Ask users if they have information if they would like to verify. Take in user input and pass it into a function where it will be compared against formats to test its validity.

1. Function Name: validateInput()

* Parameters:
  + Str phone
  + Str ss
  + Str zC
* Variables
  + Re.compile phoneCode
  + Re.compile ssCode
  + Re.compile zCode
  + Bool isPhoneValid
  + Bool isSocialSecValid
  + Bool isZipCodeValid
* Logical steps
  + Compare the parameters to the variables and set the result equal to bools. Display the validity of the codes at the end of the function.

Link to Repository: <https://github.com/DFaustin175/COP2373>

Output Screenshot: