Technical Design Document

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Program Description:

Program checks the format of the user’s phone number, social security number, and zip code

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Logical Steps:

1. Prompts user for phone number
2. Validates if the format is correct
3. The user is then requested again for the social security and zip code.

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Variables:

1. phone: users input of phone number
2. ssn: user’s input of social security number
3. zip: user’s input of zip code
4. format: the format that the input must match’
5. prompt\_message: question consisting of strings that will prompt the user

Functions:

1. Function Name: phoneNumber
   1. Description: Checks if the user input is formatted correctly
   2. Parameters: user input of phone number
   3. Returns: True or False
2. Function Name: social
   1. Description: Checks if the user input is formatted correctly
   2. Parameters: ssn
   3. Returns: True or False
3. Function Name: zipCode
   1. Description: Checks if the user input is formatted correctly
   2. Parameters: zip
   3. Returns: True or False
4. Function Name: validInput
   1. Description: prompts the user upon incorrect format
   2. Parameters: prompt\_message, format
   3. Returns: True or False
5. Function Name: main
   1. Description: Function that runs the program
   2. Parameters: none
   3. Returns: none

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Link to repository: https://github.com/AsianInvasion00/COP2373

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