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**Project Proposal for IP-Tracker**

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**Description of the Project**

IP-Tracker is a tool that simply take a website as input and generate a phishing link. That phishing link looks normal; if anyone opens the link his/her Ip will be captured, and he/she will be redirected to the website taken as input. This IP-Tracer is developed for Linux based systems. You can easily retrieve Ip address information using IP-Tracker. IP Tracker also is known as IP Tracer will show you not only what is your Internet Protocol Address but will give you also information about IP location of your IP address and other related information to your IP.

**Steps For Completion of Project**

The steps require for the completion of our project are mentioned below:

* We are working in python idle for making this software.
* Then we will import different libraries, Some of the Libraries are Json, urllib2 etc.  
    
  **JSON:** Use the import function to import the JSON module. The JSON module is mainly used to convert the python dictionary above into a JSON string that can be written into a file. While the JSON module will convert strings to Python datatypes, normally the JSON functions are used to read and write directly from JSON files.  
    
  **Urllib2:** urllib2 is a Python module that can be used for fetching URLs. It defines functions and classes to help with URL actions (basic and digest. authentication, redirections, cookies, etc.) The magic starts with importing the urllib2 module.  
    
  **OS Module:** The OS module in Python provides functions for creating and removing a directory (folder), fetching its contents, changing, and identifying the current directory, etc. You first need to import the OS module to interact with the underlying operating system.
* We will be using API model for developing this Ip Tracker
* It will ask for Ip address which we want to track  
  .
* After that it will give output which will include Country, region, Continent, City, Zip.

**Outcome of the Project**

After writing specific piece of code the expected outcome is show below:

* Once the code is completed, we will debug the code before running it so that if there are any errors, we can remove it at the moment.
* After the debugging we will execute the code and it will ask the user to enter the IP address.

**Graphical user interface, text, application

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* Once getting the IP address all information regarding that IP address will be show on the screen to the user. The information will include following data:
  + - Name of Country
    - Name of City
    - Name of the Region
    - Name of the Continent
    - Type of the IP address
    - Time Zone

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