

Phishing Simulations (Google,LUCY and GoPhish).

Aim: To spoof gmail using GoPhish Tool

Theory:

Phishing is a type of cybersecurity attack during which malicious actors send messages pretending to be a trusted person or entity. Phishing messages manipulate a user, causing them to perform actions like installing a malicious file, clicking a malicious link, or divulging sensitive information such as access credentials.

Phishing is the most common type of social engineering, which is a general term describing attempts to manipulate or trick computer users. Social engineering is an increasingly common threat vector used in almost all security incidents. Social engineering attacks, like phishing, are often combined with other threats, such as malware, code injection, and network attacks.

How Phishing Works

The basic element of a phishing attack is a message sent by email, social media, or other electronic communication means.

A phisher may use public resources, especially social networks, to collect background information about the personal and work experience of their victim. These sources are used to gather information such as the potential victim's name, job title, and email address, as well as interests and activities. The phisher can then use this information to create a reliable fake message.

Typically, the emails the victim receives appear to come from a known contact or organization. Attacks are carried out through malicious attachments or links to malicious websites. Attackers often set up fake websites, which appear to be owned by a trusted entity like the victim's bank, workplace, or university. Via these websites, attackers attempt to collect private information like usernames and passwords or payment information.

Common Phishing Techniques

1. Email Phishing
2. Social Engineering
3. Typosquatting
4. Email Spoofing
5. URL Shortening
6. Malicious Redirects
7. Hidden Links

Procedure:

1. Go to below link,
<https://getgophish.com/>
2. click download
3. select .exe file according to your machine configuration.
4. Once download finishes, extract the file and run gophish file.
5. Click on Run button.

6. In command prompt window you will get a link, user name and password. Use these credentials to login for gophish website

Note: For new user password gets create, but you can change it later.

github.com/gophish/gophish/releases

Assets 6

Asset	Size	Published
gophish-v0.12.1-linux-32bit.zip	31.4 MB	Sep 14, 2022
gophish-v0.12.1-linux-64bit.zip	31.8 MB	Sep 14, 2022
gophish-v0.12.1-osx-64bit.zip	33.2 MB	Sep 14, 2022
gophish-v0.12.1-windows-64bit.zip	32.1 MB	Sep 14, 2022
Source code (zip)		Sep 14, 2022
Source code (tar.gz)		Sep 14, 2022

66 6 11 21 14 26 109 people reacted

Aug 13, 2022

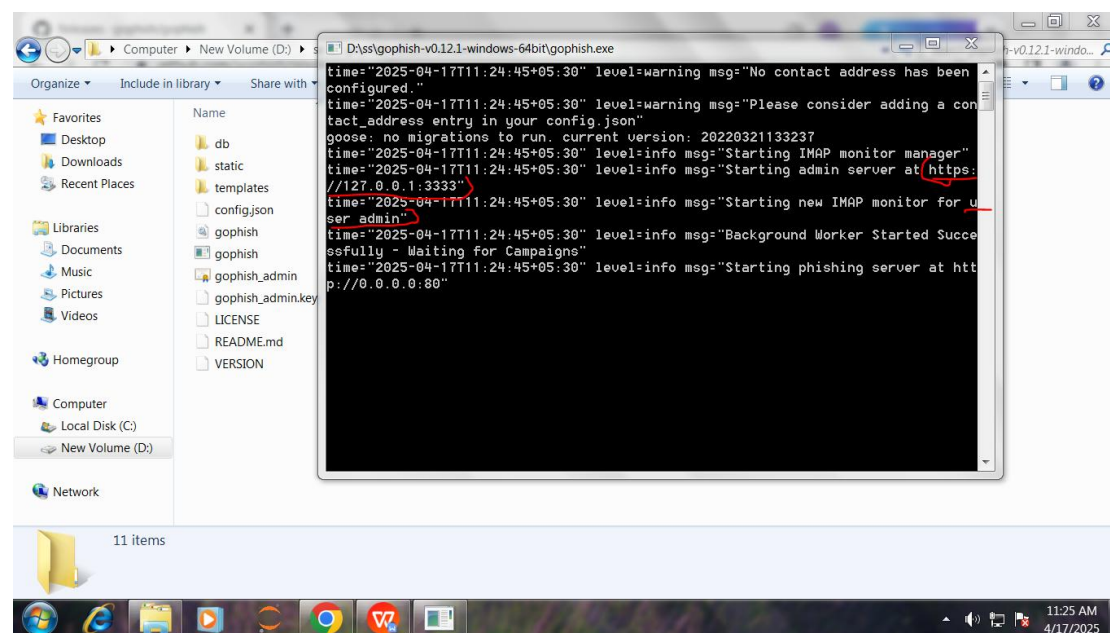
glennzw

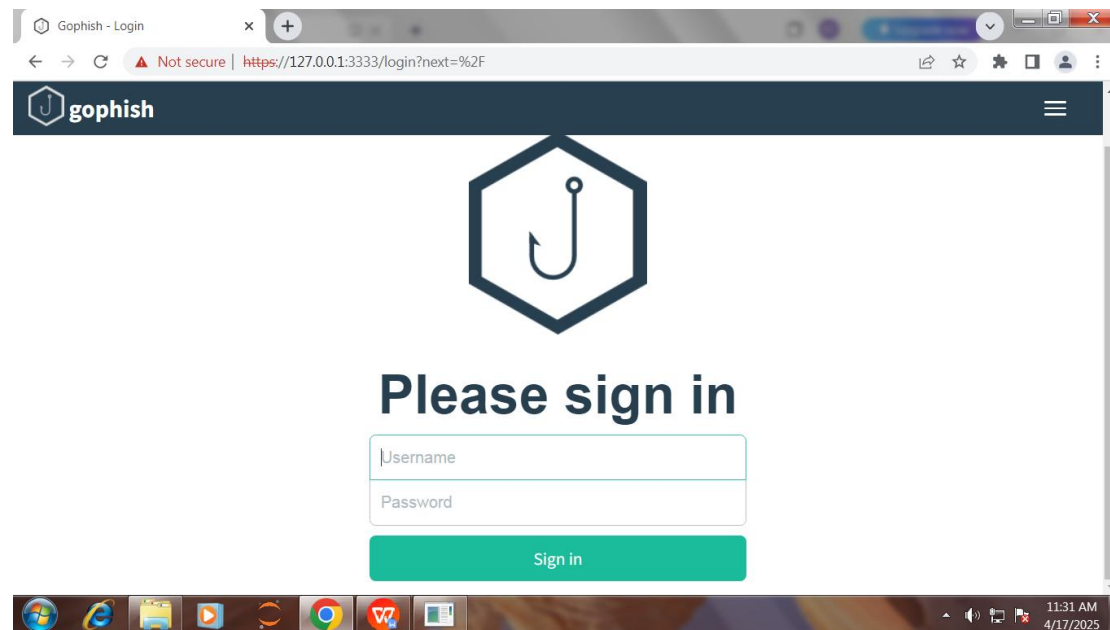
v0.12.0

6b61426

Gophish v0.12.0

Gophish just got better.

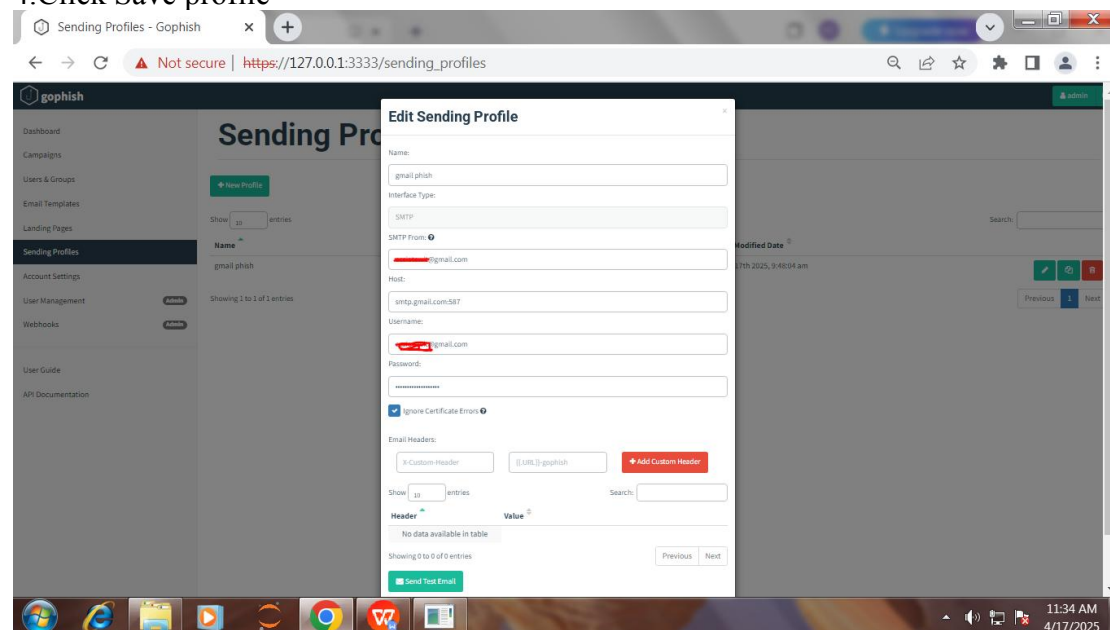




Step 1:

1. After login,
2. click on sending profiles on left panel
3. Enter the following details
Name: gmailphish
SMTP from: your email id need ex: abc@gmail.com
Host: smtp.gmail.com:587 (remember this is the standard port number for gmail)
Username: gmail id ex: abc@gmail.com
Password: app password (you need to create app password, it gets create when you enable 2-step verification)
Here you can send Test Email (Optional)

4. Click Save profile



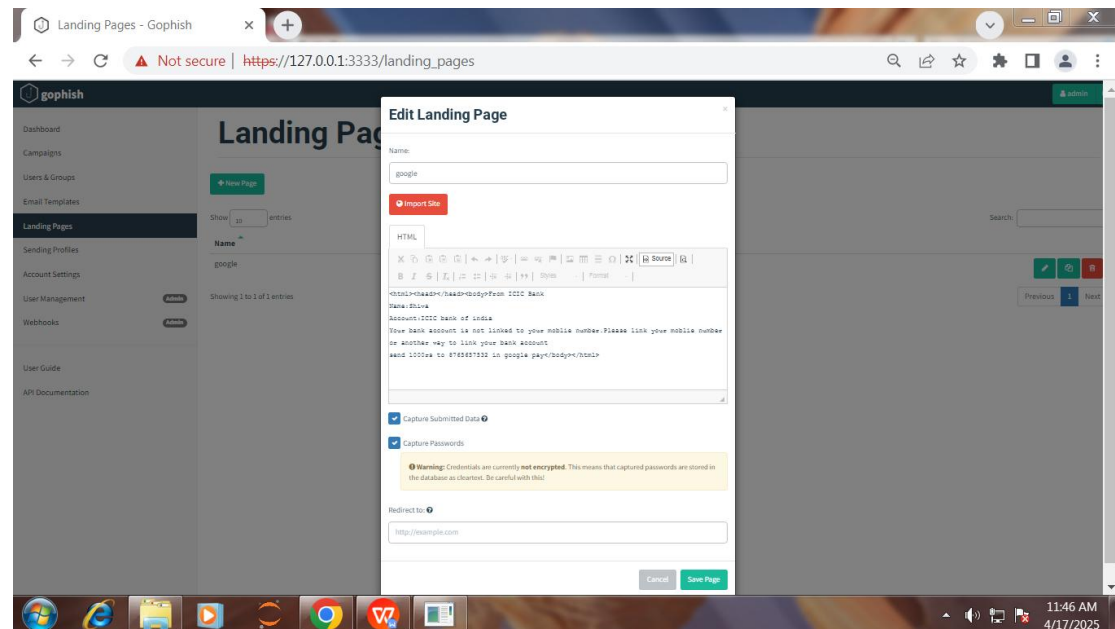
Step 2:

1. Click on Landing page.
2. Fill the fields

Name: you can give any name

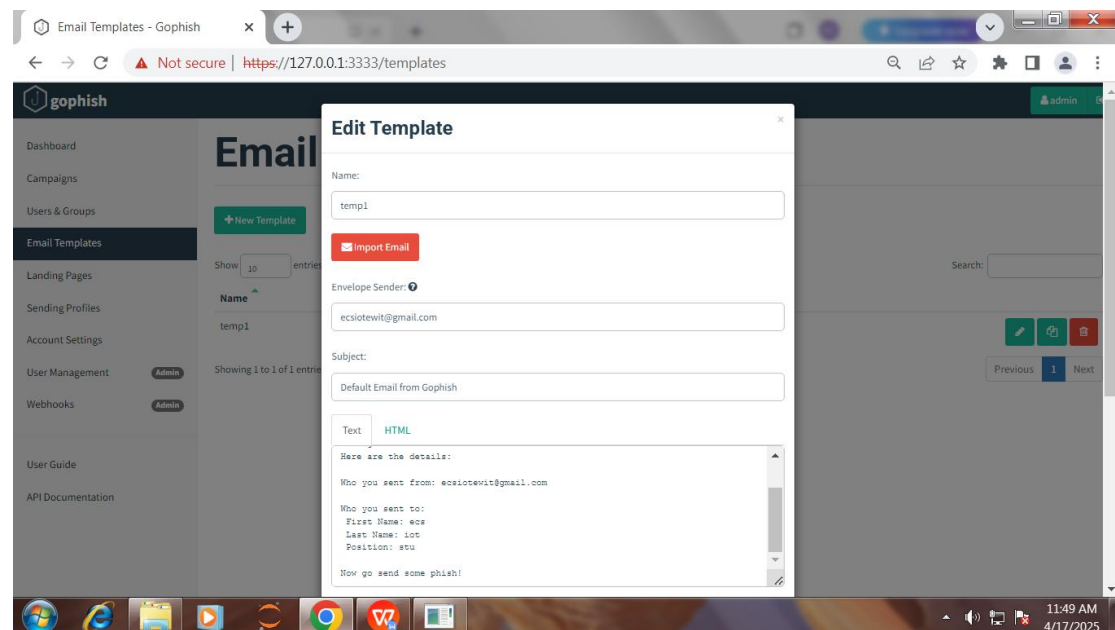
Here you can clone any website or you can write html tags for the pages. After filling the fields.

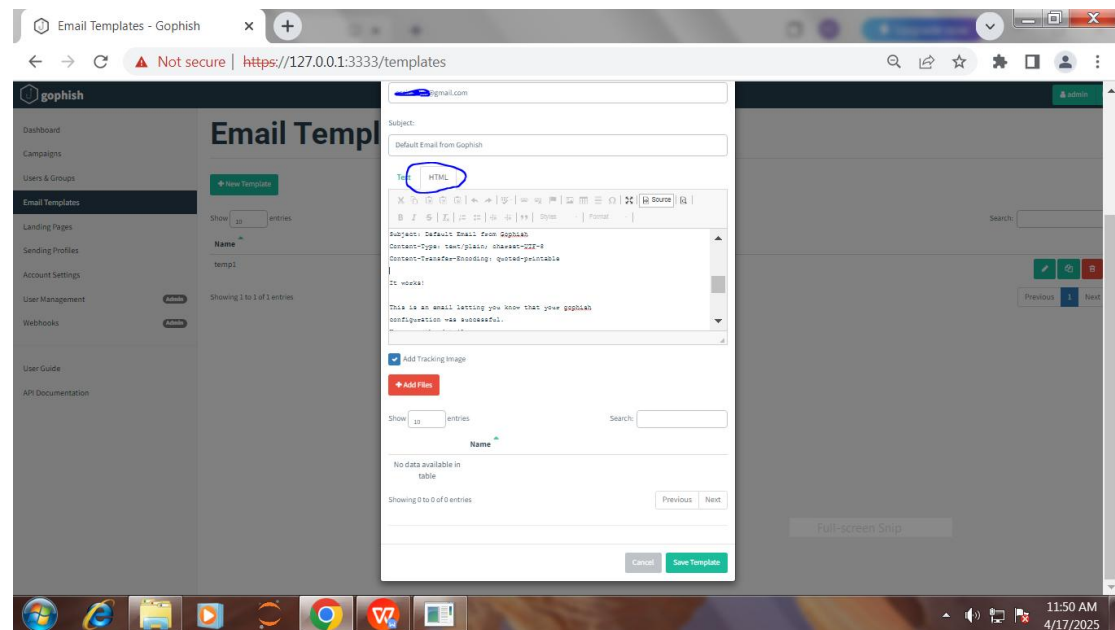
3. Click on Save



Step 3:

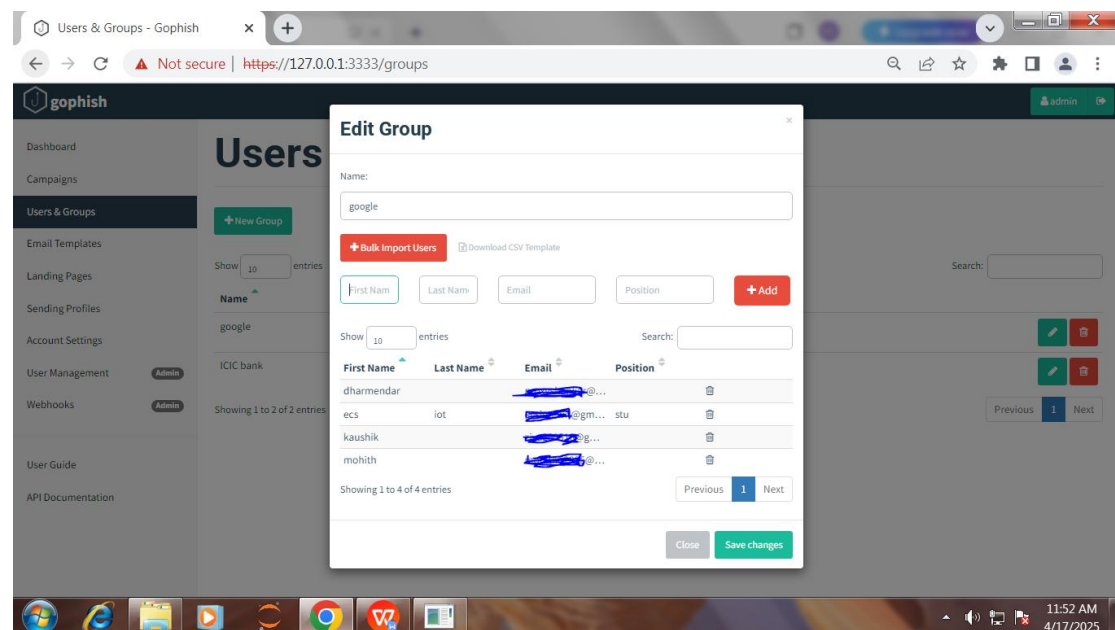
1. Click Email Template
2. Fill the details.
3. Click Save.





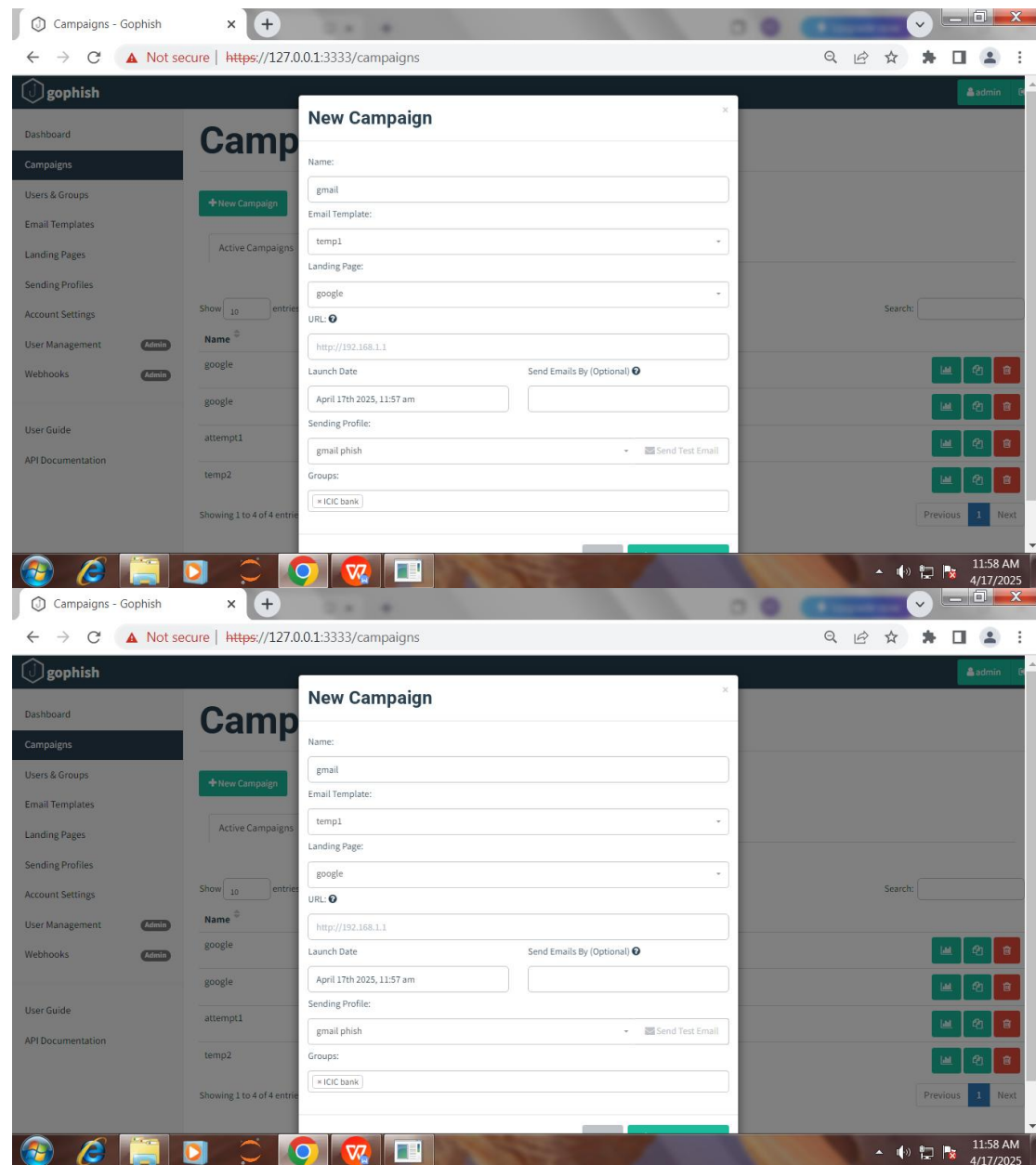
Step 4:

1. Click on Edit group.
2. Fill the fields.
3. To add email you have to fill First name, email id and click Add.
4. Click Save changes.

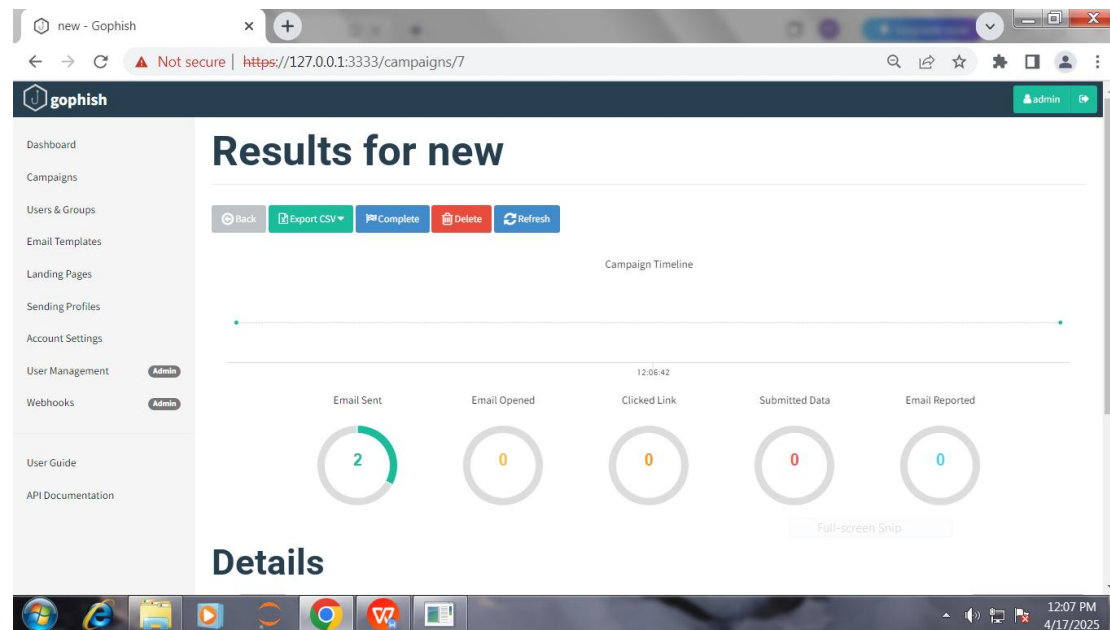


Step 5:

1. Click on Campaign
2. What ever the name you have provided for sending page,landing page,emailing template and User Group need to be furnished here.
3. Click Launch Campaign.



You can observe the results



The screenshot shows the Gophish dashboard with the 'Details' view for a campaign. The dashboard includes a sidebar with navigation links: Dashboard, Campaigns, Users & Groups, Email Templates, Landing Pages, Sending Profiles, Account Settings, User Management (Admin), Webhooks (Admin), User Guide, and API Documentation. The main content area displays the campaign details with five metrics: Email Sent (6), Email Opened (0), Clicked Link (0), Submitted Data (0), and Email Reported (0). Below the metrics is a table showing the details of the campaign entries. The table has columns: First Name, Last Name, Email, Position, Status, and Reported. The table shows 6 entries, with the first entry being 'CS' and the last entry being 'mohith'. The status for all entries is 'Email Sent'. The browser address bar shows 'https://127.0.0.1:3333/campaigns/7'.

First Name	Last Name	Email	Position	Status	Reported
CS				Email Sent	
dharmendar				Email Sent	
ecs	iot		stu	Email Sent	
GV				Email Sent	
kaushik				Email Sent	
mohith				Email Sent	

Note:

1. All the snapshots are provided step by step for your reference and for learning purpose only.

2. Kindly create a new gmail id and app password for this purpose.