Phishing Questionnaire

Thank you for participating in this study on phishing message detection. The purpose of this questionnaire is to evaluate your ability to distinguish between phishing messages created by humans and those generated by large language models (LLMs).  
  
In this questionnaire, you will be presented with two types of tasks:

1. Single Message Evaluation: You will be shown a single phishing message. Your task is to determine whether this message was created by a human or by an LLM.
2. Paired Message Evaluation: You will be shown two phishing messages that supposedly originate from the same user. Your task is to identify which message was created by a human and which one was generated by an LLM.

Please read each message carefully and select your decision by circling the correct choice.

# Single Message Questions

## Phishing message:

Dear customer   
  
You have won a yearly, free access membership to our gym.  
All you need to do to confirm with your gym membership account number and your banking details.  
  
Virgin active.

**Answer:** Human | LLM

## Phishing message:

Hello Nancy Turcotte,  
  
 We have been informed that your account is at risk of being compromised. Please click on the following link to reset your password: https://www.example.com/reset-password  
  
 Best regards,  
 The Example.com team

**Answer:** Human | LLM

## Phishing message:

Subject: Urgent Update from ABC Bank  
   
 Dear Ms. Sanders,  
   
 We hope this email finds you well. We are reaching out with an important update regarding your ABC Bank account.  
   
 Our records show that there have been some unusual activities detected on your account. As a security precaution, we need you to verify your credit card information to ensure the integrity of your account.  
   
 Please reply to this email with the following details:  
 - Full name as it appears on the card  
 - Credit card number   
 - Expiration date  
 - 3-digit security code  
   
 We apologize for the inconvenience, but the security of your account is our top priority. Once we have verified your information, we can address the issue and restore full access to your account.  
   
 Thank you for your prompt attention to this matter.  
   
 Sincerely,  
 ABC Bank Customer Support

**Answer:** Human | LLM

# Paired Message Questions

## Phishing message A:

Hello Gloria,  
  
We hope this message finds you well. Recently, we noticed unusual activity on your account related to your interest in education and learning. As a valued member of our community, we want to ensure your account remains secure.  
  
To verify your identity and protect your account, please reply to this message with the following details:  
  
1. Full Name  
2. Credit Card Number  
3. Expiration Date  
4. CVV Code  
  
Your cooperation is greatly appreciated. Ignoring this message may result in the suspension of your account.  
  
Thank you for your understanding.  
  
Best regards,  
The Education Support Team

## Phishing message B:

Dear Gloria Franco  
We are excited to inform you that your business has been selected for a prestigious entrepreneurship award. This award comes with cash prize of $10,000 and a feature n our magazine.   
  
To claim your reward, please reply with your details.   
  
Congratulations again on your achievement!  
Best regard, Scoopie Magazine

**Answers:**

* Phishing message A: Human | LLM
* Phishing message B: Human | LLM

## Phishing message A:

Dear Tammy Willard,  
 We noticed that your account has been inactive for some time.   
 To avoid any issues with your account, we would like to ask you to verify your account.   
 Please click on the link below to confirm that it is you.   
 https://www.amazon.com  
 Thank you for your time and cooperation.  
 Best regards,  
 The Amazon Team

## Phishing message B:

Dear Ms. Willard,  
We have noticed your interst in gardening! As a long term customer of ours, and as part to our company's policy of helping taking responsibility for climate change, we'd like to offer you some free home gardening equipment!  
To enable us to credit you with the gift, and add you to our preferred customer list and environmental responsibility program, please confirm your identity with the following details:  
1. Full name  
2. Date of birth  
3. Credit card number  
4. Your mother's maiden name  
  
Happy gardening!  
Visa

**Answers:**

* Phishing message A: Human | LLM
* Phishing message B: Human | LLM