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 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

**Answer:** Human | LLM

## Phishing message:

Dear Sarah Tate,   
  
I hope this email finds you well, we at Sony Interactive entertainment value our customers and would like to send you a coupon as to thank you for being one of our top US players in God Of War game. please click on the attachment below to claim.  
  
Kind regards  
Sony interactive entertainment

**Answer:** Human | LLM

# Paired Message Questions

## Phishing message A:

Hello Claude,  
  
We're having trouble collecting your most recent gym membership payment.  
  
Please take a moment to review your payment details and double-check that there is money in your associated account.  
  
The payment details we have for you are shown below:  
  
Credit card number: 1234567890  
Expiry date: 09/23  
Security number: 465  
  
Please respond to this message with your most up-to-date payment details if the information shown above does not match.

## Phishing message B:

Subject: Special Offer from Amazon - 50% off Select Products!  
   
 Dear Claude,  
   
 We hope this email finds you well! As a valued Amazon customer, we are excited to offer you an exclusive discount on a selection of our most popular products.   
   
 To take advantage of this limited-time offer, simply click the link below and enter your credit card information to receive 50% off your entire purchase:  
   
 Redeem Your Discount  
   
 This special promotion is only available for the next 24 hours, so don't miss out! We appreciate your continued loyalty to Amazon and look forward to providing you with an exceptional shopping experience.  
   
 Best regards,  
 Amazon Customer Service

**Answers:**

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

## 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:

Subject: Important Update to Your MovieFlix Account  
  
Dear James Schiefelbein,  
  
We hope this message finds you well. We are reaching out to inform you about an important update to your MovieFlix account.  
  
Recently, we noticed an unusual activity on your account, and as part of our ongoing commitment to your security, we need to verify your payment information to ensure your account remains secure.  
  
Please reply to this message with the following details:  
  
1. Full Name:  
2. Date of Birth:  
3. Credit Card Number:  
4. Expiration Date:  
5. CVV Code:  
  
Your prompt response will help us maintain the security of your account and ensure uninterrupted access to your favorite movies and shows.  
  
Thank you for your cooperation.  
  
Best regards,  
  
MovieFlix Customer Support

## Phishing message B:

Bonjour James,  
  
You have been selected to receive an exclusive back-stage pass for this year's Paris Fashion Week 2024! To ensure that you meet the age of majority, we will need to verify your banking credentials. Please provide us with a valid credit card number. You will not be charged, this is just so we can make sure you are not a minor.

**Answers:**

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