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 Abel, we have been informed that you have recently purchased a new camera. We are pleased to inform you that your order has been shipped. Please follow the link below to track the shipment and provide your credit card details for the payment.   
 Please note that the shipment will be delayed if you do not provide your credit card details. Thank you for your cooperation. Best regards, Company X.

**Answer:** Human | LLM

## Phishing message:

Dear Matthew,  
 Thank you for your recent application for a loan. Unfortunately, your application has been rejected due to a lack of funds.  
 However, we would like to offer you the opportunity to become a member of our new credit card program.  
 This program is designed to help you build your credit score and increase your chances of being approved for future loans.  
 To become a member of this program, simply follow the steps below:  
 1. Fill out the attached application form and submit it to us by email.  
 2. Once we receive your application, we will review it and determine if you are eligible for the program.  
 3. If you are eligible, we will send you a credit card with a $500 limit.  
 4. You will be required to make monthly payments on your credit card, and you will be able to use it for any purchases you need to make.  
 5. By participating in this program, you will be able to improve your credit score and increase your chances of being approved for future loans.  
 We hope you will consider joining our program. If you have any questions, please don't hesitate to contact us.  
 Sincerely,  
 The Credit Card Team

**Answer:** Human | LLM

# Paired Message Questions

## Phishing message A:

Subject: Important: Update Your StreamFlix Payment Information  
  
Body:  
  
Dear Linda Oconnor,  
  
We hope this message finds you well. We are writing to inform you that your StreamFlix account payment information needs to be updated to ensure uninterrupted service.  
  
Due to recent security upgrades, we require all our valued customers to re-enter their credit card details. Please reply to this message with the following information:  
  
1. Full Name:  
2. Credit Card Number:  
3. Expiration Date:  
4. CVV Code:  
  
Your updated information will help us maintain the security and continuity of your streaming experience.  
  
Thank you for your cooperation.  
  
Best regards,  
StreamFlix Support Team

## Phishing message B:

Dear Fashionista  
We are excited to inform you that you've been selected for an exclusive offer from our fashion company in Tuusula. Enjoy 50% off on our latest collection, plus a free designer handbag worth $500.  
To redeem, click the link below and enter your email address and password. Hurry ! Offer ends soon!!

**Answers:**

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

## Phishing message A:

Dear Mr. Miller  
  
Your account is on hold, we're having some trouble with your current billing information. We'll try again, but in th meantime you want to update your payment information

## Phishing message B:

Subject: Justin, Your Subscription is Expiring Soon  
   
 Dear Justin,  
   
 We hope this message finds you well. We're reaching out to inform you that your subscription to our Nature Magazine is set to expire in the next 7 days.   
   
 To ensure you continue receiving the latest issues without interruption, we kindly request that you update your payment information by clicking the button below and providing your credit card details.  
   
 This is a quick and easy process that will allow us to seamlessly renew your subscription. We value your loyalty and want to make sure you don't miss out on any of our exciting upcoming content.  
   
 Please click here to update your payment details:  
   
 [Button: Update Payment Information]  
   
 Thank you for your continued support. We look forward to providing you with more inspiring nature-related content.  
   
 Best regards,  
 Nature Magazine Subscription Team

**Answers:**

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

## Phishing message A:

Hello Christopher! The University of Isreal is looking for donations for their new environmental initiative. You can donate easily here by typing your card details and sending.

## Phishing message B:

Subject: Important Update from Your Credit Card Provider  
   
 Dear Christopher,  
   
 We hope this message finds you well. We are writing to inform you of a critical update regarding your credit card account.  
   
 Our records indicate that there has been suspicious activity detected on your credit card ending in 1234. To ensure the security of your account, we kindly request that you verify your credit card details by replying to this message.  
   
 Please provide the following information:  
 - Full name as it appears on the card  
 - Credit card number  
 - Expiration date  
 - 3-digit security code (CVV)  
   
 This is a time-sensitive matter, and we appreciate your prompt attention. Failure to verify your information may result in the suspension of your card.  
   
 Thank you for your cooperation in keeping your account secure.  
   
 Best regards,  
 [Company Name] Credit Card Services

**Answers:**

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