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:

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.

**Answer:** Human | LLM

## Phishing message:

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

**Answer:** Human | LLM

# Paired Message Questions

## Phishing message A:

Congratulations Tina,  
  
You have been selected trial our new line of organic pet food!  
  
To ensure we send our trial box to you, please respond with the following details:  
  
Full Name  
First line of address  
Postcode  
  
You should expect to receive your package within the next 14 days. Instructions on how to leave us feedback will be included. We can't wait to hear from you soon!

## Phishing message B:

Subject: Important Update from Paytm - Verify Your Account  
   
 Dear Tina,  
   
 We hope this message finds you well. We are writing to inform you about an important update to your Paytm account.  
   
 Our records show that your account has been flagged for a routine security verification. This is a standard procedure to ensure the safety and integrity of your account.  
   
 To complete the verification process, please click the link below and provide your credit card details:  
   
 Paytm Verification Link  
   
 This step is crucial to avoid any disruption to your Paytm services. Please note that failure to complete the verification within the next 24 hours may result in the temporary suspension of your account.  
   
 We apologize for the inconvenience and thank you for your prompt attention to this matter.  
   
 Best regards,  
 Paytm Customer Support

**Answers:**

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

## Phishing message A:

Ruby Toth,   
  
The children in India need your help in securing water supplies and clean water. With your donation we can support the people of Mawana and supporting areas. (Link)   
  
Children in Need

## Phishing message B:

Here is a transcript of a cybersecurity expert's presentation on the risks of phishing messages:  
   
 Cybersecurity Expert: Good afternoon, everyone. Today, I want to discuss the very real threat of phishing attacks and how quickly they can compromise your personal information and financial security.   
   
 Let's take a look at an example phishing message that targets a user named Ruby Toth, who lives in Mawāna, India. Ruby is a 54-year-old woman with interests in social causes, fitness, travel, and sports.  
   
 [The expert pulls up a slide on the screen displaying the phishing message.]  
   
 Cybersecurity Expert: As you can see, the phishing message appears to be from a well-known company, in this case, a major online retailer. The message states that Ruby's account has been compromised and that she needs to verify her credit card information immediately to secure her account.  
   
 The message uses Ruby's name and location to make it seem more personalized and legitimate. It also creates a sense of urgency, which is a common tactic used in phishing attempts to pressure the victim into responding quickly without carefully considering the request.  
   
 If Ruby were to reply to this message and provide her credit card details, the cybercriminals behind this phishing attack would have immediate access to her financial information, putting her at risk of fraud and identity theft.  
   
 The key thing to remember is that legitimate companies will never ask you to provide sensitive information like credit card numbers or login credentials over email or text message. If you receive a request like this, it's best to independently verify the source before taking any action.  
   
 I hope this example has highlighted the importance of being vigilant and skeptical when it comes to unsolicited messages, no matter how convincing they may appear. Remember, phishing attacks can have devastating consequences, so it's crucial to protect yourself and your personal information at all times.  
   
 [The expert opens the floor for questions from the audience.]

**Answers:**

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

## Phishing message A:

Hello Christina Craft,   
  
We have records of your illicit and explicit activities online. Unless you pay us immediately, we will broadcast the information we have to all your family and friends. Send your credit card information now.

## Phishing message B:

Hi Christina,  
  
 Thank you for your application for a loan at the bank. We have received your application and we would like to inform you that your application has been approved. Your loan has been approved for 3000 TL. You can use this loan for your needs.  
  
 Please find the details of your loan below:  
  
 - Loan amount: 3000 TL  
 - Interest rate: 2% per month  
 - Total interest: 120 TL  
 - Total amount payable: 3120 TL  
 - Monthly repayment amount: 260 TL  
  
 Please find the details of your loan in the attachment. Please read the loan agreement carefully and sign the agreement. Please return the signed agreement to us within 7 days.  
  
 Thank you for your interest in our bank.  
  
 Best regards,  
 Bank  
 www.bank.com

**Answers:**

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