

Temp Email Creation Analysis and Detection: A Hybrid Machine Learning Approach

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Abstract/Intro/Motivation

Creating temporary email addresses and detecting disposable email addresses (DEA) that combines natural language processing (NLP) techniques and domain verification methods to create temporary email addresses. These are usually disposable to preserve user privacy on online platforms. Email service is used. Even though these services provide legitimate interests, such as protecting individual email accounts from spam, These services also present significant challenges.

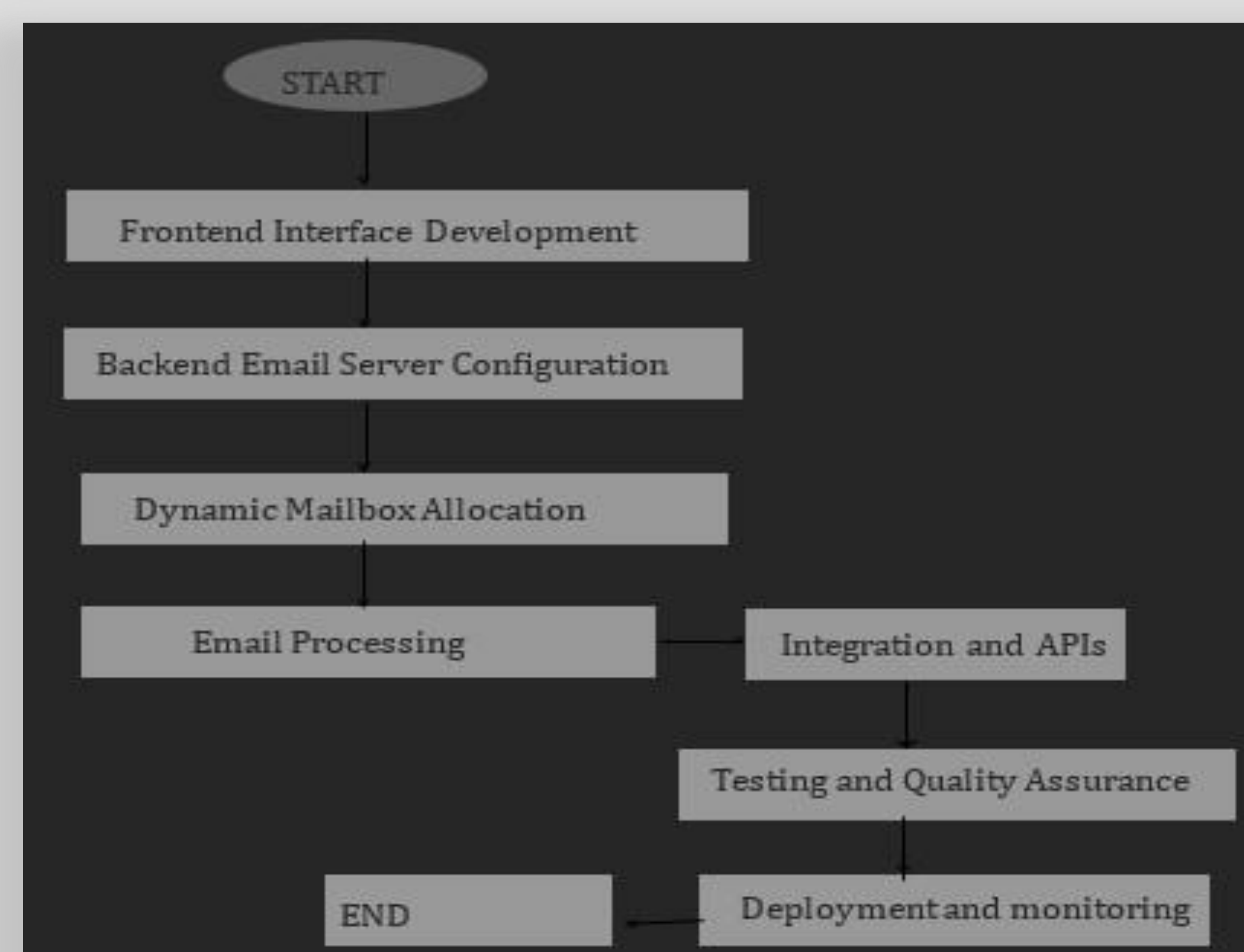
Background

Spammers send questionable content via email, so look out for it. Using these spam emails is important for protecting personal information. There are various methods for this task. One method involves using Sequential Minimum Optimization (SMO), which is a form of machine learning [2]. Classify emails as spam or not. Feature extraction techniques uniquely help identify important information during the search process.

Objectives

- (i) To develop a system for creating and managing temporary email addresses, ensuring user privacy while providing robust spam and fraud protection
- (ii) To develop a hybrid NLP and domain validation technique capable of accurately detecting disposable email addresses, thereby enhancing email security and reducing spam.

Methods



The development of a temporary email generation system follows a structured approach to ensure seamless functionality, security, and scalability.

Results/Discussion

Implications of Using the Disposable Email Validator

- **Enhanced Security:** Disposable emails are often used for fraudulent activities or spam accounts. By preventing their use during registration or sign-up processes, applications can reduce the risk of abuse and enhance overall security.



Future Directions

The future technologies outlined in the project reflect significant advancements compared to the state of technology past years: Integration of Machine Learning (ML) and Natural Language Processing