# Truth Guard

**"Truth Guard: A Holistic Fake News Detection Application"**

**Phase 1: Problem Definition and Design Thinking**

**Problem Definition**

"Fake news detection" refers to the process of identifying and categorizing news articles, stories, or information that is intentionally false, misleading, or inaccurate. The primary goal of fake news detection is to distinguish between news content that is based on facts and credible sources and content that is fabricated, distorted, or misleading.

**Design Thinking**

"Truth Guard" is an application designed to detect fake news and misinformation across various digital platforms and inform the user. It combines machine learning, NLP, multimedia analysis, and user behavior monitoring to provide users with accurate, real-time information about the credibility of news articles and sources they encounter online.

## The sources from which user input is compared

**Fact-Checking Organizations**:

- Reference data from fact-checking organizations like Snopes, PolitiFact, FactCheck.org, and others. These organizations specialize in verifying the accuracy of news articles, statements, and claims.

**Trusted News Sources**:

- Use news articles from well-established and reputable news sources as a reference. You can consider major newspapers, international news agencies, and respected news websites.

**Official Statements and Reports**:

- Utilize official statements and reports from government agencies, international organizations, and academic institutions. These sources often provide accurate and well-documented information.

## The procedure of our application's mechanism

- Obtained user input will be compared with sources in order to determine its accuracy.
- If the accuracy exceeds 70%, the news shall be classified as true; otherwise, it shall be deemed as fake news.