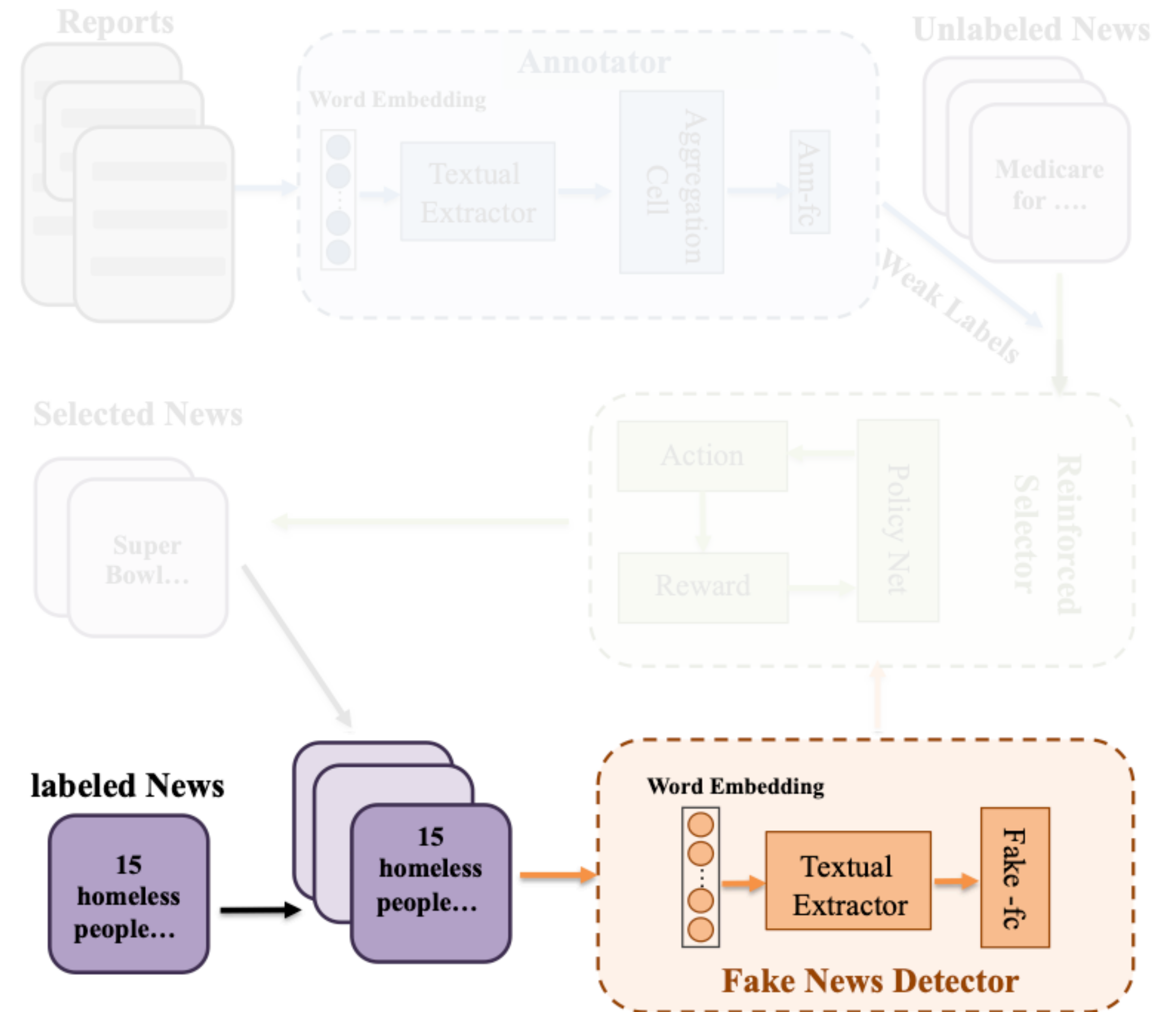


# Introduction

## WeFEND: fake news detector

- The selected samples and the original labeled samples are used to train fake news detector
- The fake news detector finally assigns a label for each input article based on its content
- The three components integrate nicely and their interactions mutually enhance their performance



# Introduction

## Contributions

- Recognize the label shortage issue and proposed to leverage user reports as weak supervision for fake news detection
- WeFEND framework can automatically annotate news articles, which help enlarge the size of the training set to ensure the success in deep learning models
- Adopting reinforcement learning techniques, WeFEND has the ability of selecting high-quality samples, which further leads to the improvement of the fake news detection performance