

## Results:

## Evaluation

- **Accuracy:** The tool's predictions must be reliable and precise, and its performance should be evaluated in terms of its sensitivity, specificity, and precision for various diseases or conditions.

- **Data privacy:** The tool must ensure that patient information is kept safe and accessible only by authorized personnel. It must comply with all relevant data protection regulations.

- **Transparency:** Users must be able to understand how the tool works and what data it uses to make predictions. This requires a detailed explanation of the models used and how the tool arrives at its results.

- Validation and testing: The tool should undergo rigorous validation and testing to determine its efficacy. It should be tested on a variety of populations to ensure its accuracy and reliability.

By considering these criteria, we can determine the effectiveness of a tool and ensure that it is reliable and trustworthy for use in healthcare settings.

## Conclusion

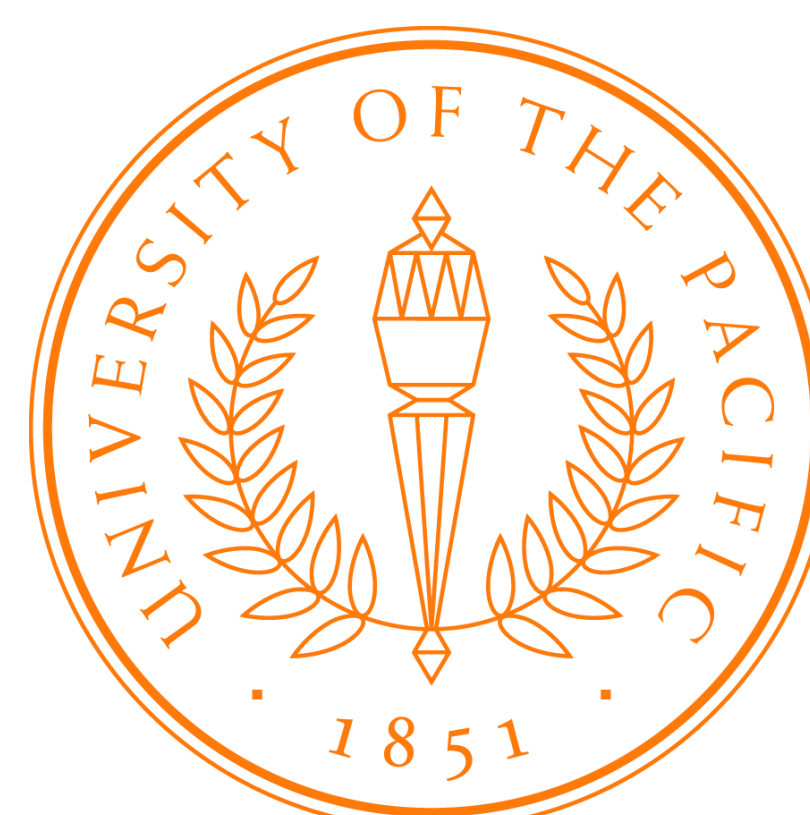
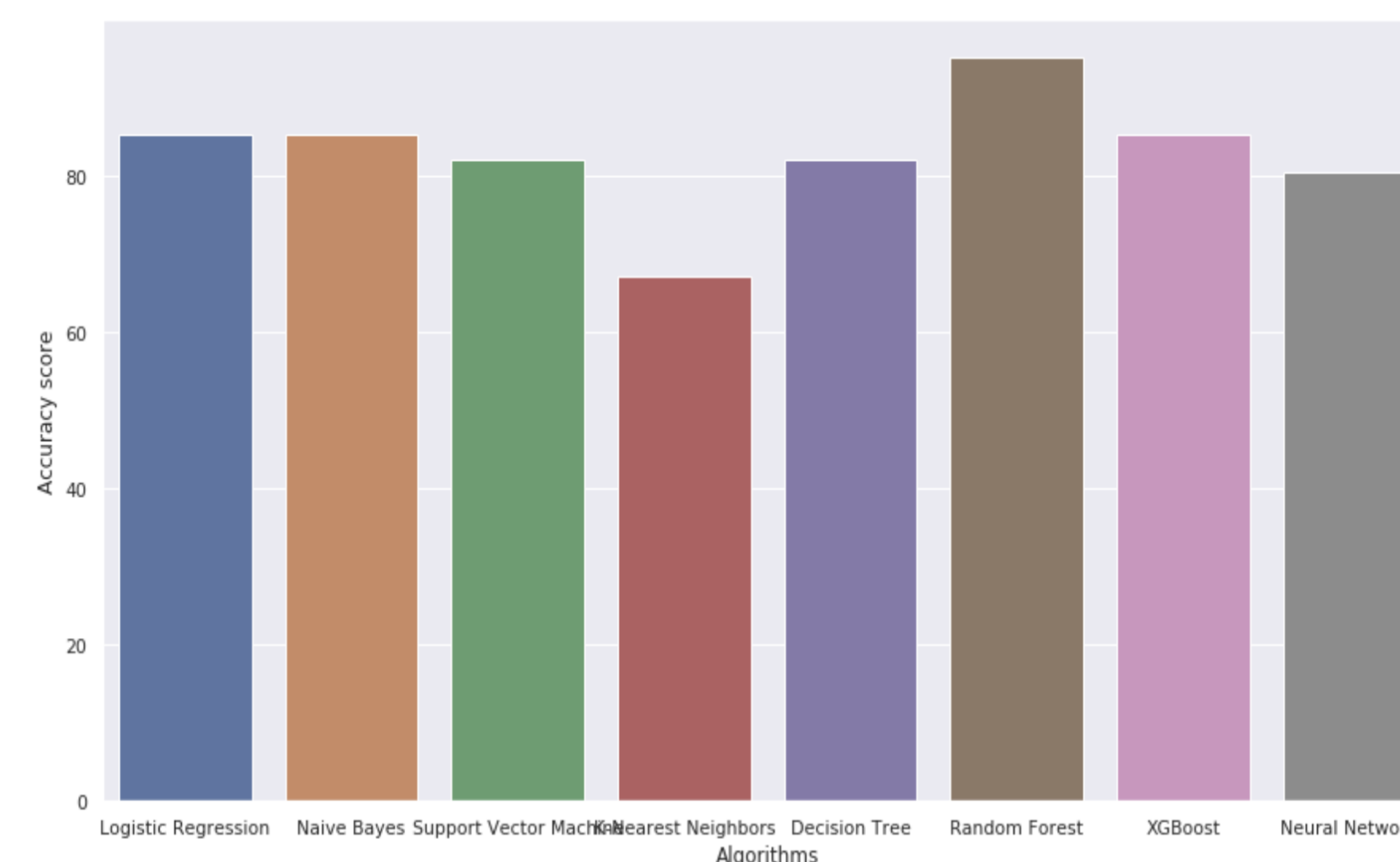
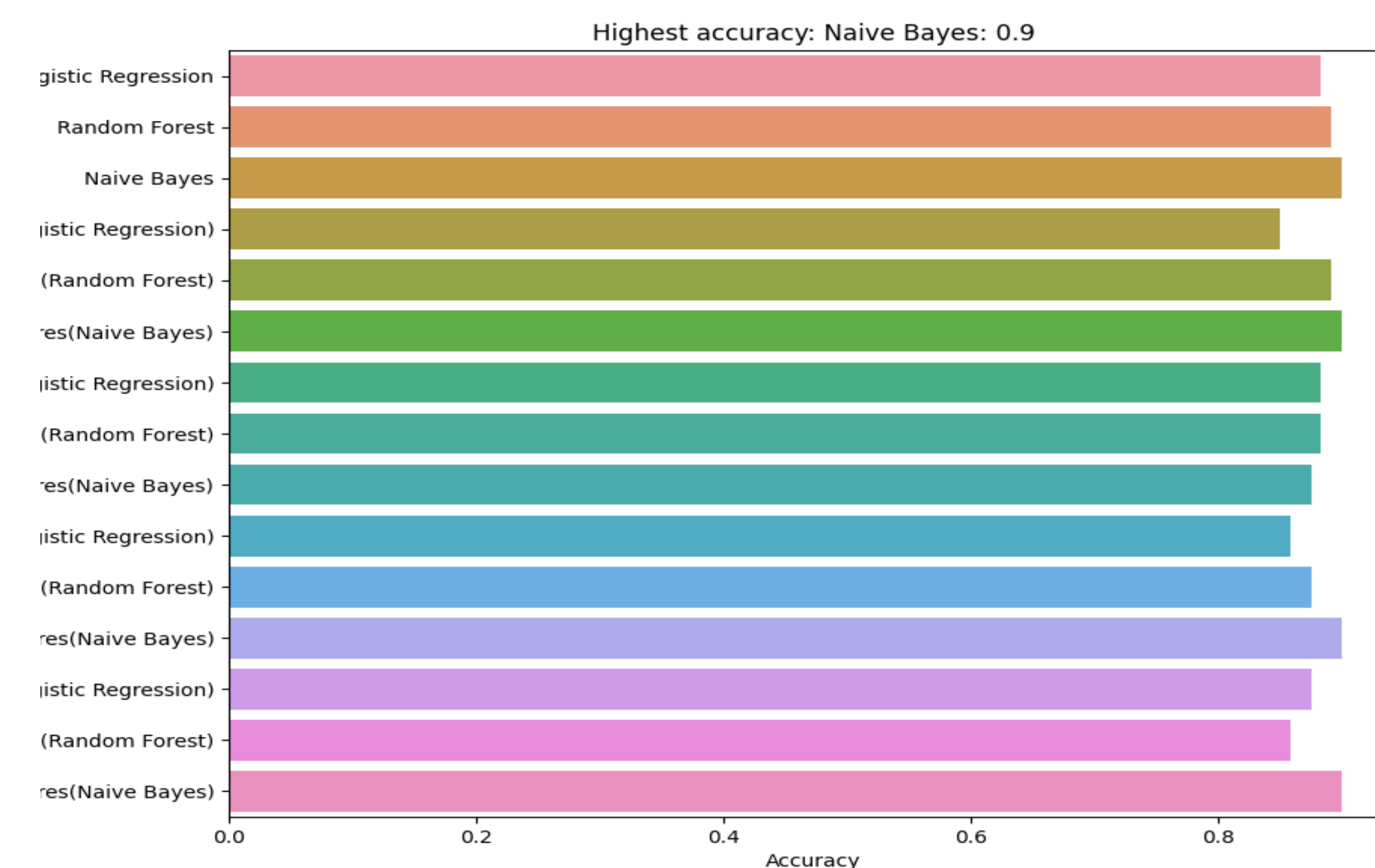
The Medical AI Disease Diagnostic Tool has potential to revolutionize the medical industry, but its effectiveness is dependent on quality data input. Ethical considerations, such as protecting patient privacy and avoiding bias, must be considered. Responsible development and utilization of the tool is essential for maximizing its potential for improving healthcare outcomes while keeping patient care at the forefront of efforts.

# Introduction

## Implementation: Overview

The Medical AI - Disease Diagnostic Tool is an application that uses machine learning and statistical models to predict diseases or medical conditions based on input data from the user. The application includes the following key characteristics:

- Inputting patient symptoms and medical history
  - Data Cleaning and Preparation
  - Machine Learning/Statistical Models
  - Prediction Results
- Build with**
- TensorFlow and Python



UNIVERSITY OF THE PACIFIC  
Mansoor H., Korie. W, Kelvin L.

Disease Diagnostic

Home About Contact

## Enter User Information

Name:

Age:

Gender:

## Enter User Health Information?

Cholesterol Level:

Blood Pressure:

Do You Have Any Existing Illness or Medical Condition?

Do You Exercise? ☐ Yes ☐ No

Did you travel: ☐ Yes ☐ No

Medical History (such as family history of condition):

## Do You Have These Symptoms?

Fever	Cough	Shortness of Breaths	Fatigue	Nausea	Loss of Taste or Smell	Diarrhea
High Blood Pressure	Runny Nose	Sore Throat	Nausea or Vomiting	Cold	Head Colds	Stomach Issues
High Cholesterol	Headaches	Constant Headaches	Prolonged Ankle Swelling	Blind Colds	Stomach Issues	Stomach Issues
<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No

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