FAKE NEWS DETECTION

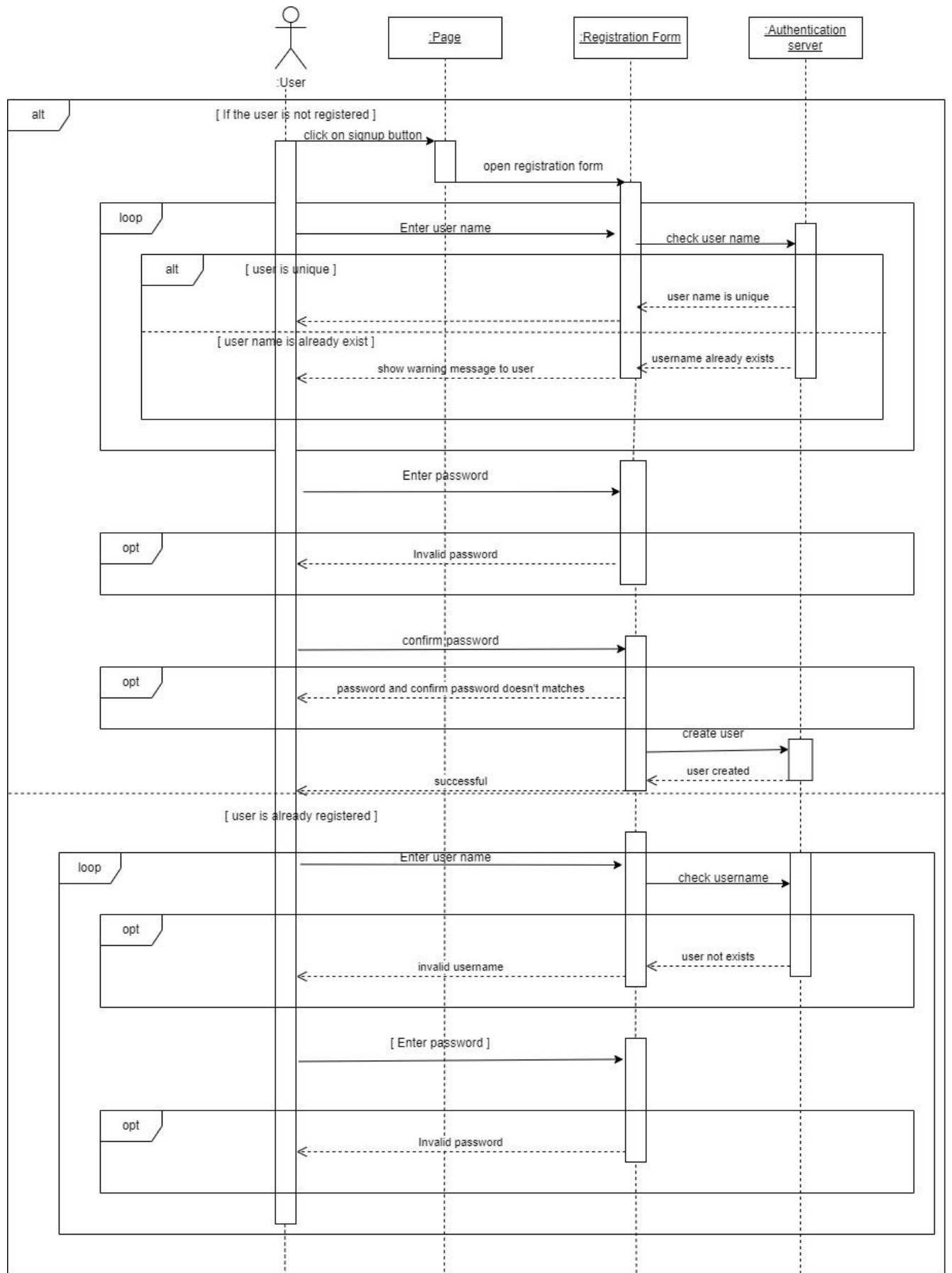# VISHWA RAVAL

Design Document
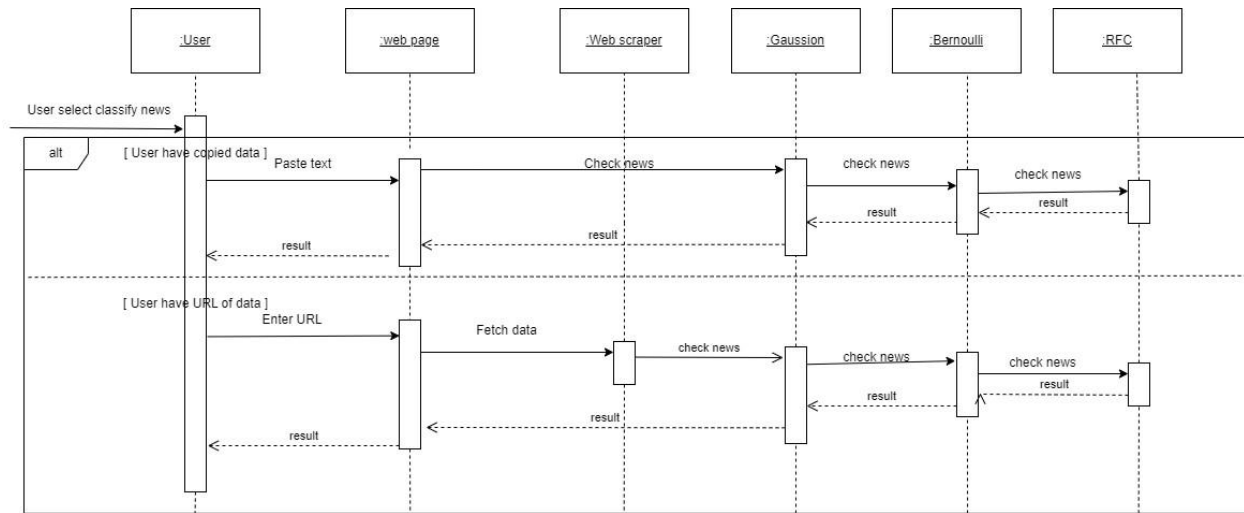
Sequence and Class Diagrams:

1. Sequence Diagram:

a. Login/Sign Up for user:

b. Detecting whether news is real or fake

2. Class Diagram

User

Name : string

Phone Number : integer

Email Address : string

Address : string

+ sign up / login ()

+ enter News / URL () : void

+ view news () : void

+ view fake or real news () : bool

User Database

User name : string

Password : string

- User Authentication() : bool

- Store User credential() : void

Authenticate

1   1

0..*

News article

Title : string

Text : string

URL : string

+Enter News() : string

+Enter URL() : string

Enter News   0..*

News article Analyzer

News articals : string

URL : string

+ add_articles() : void

- Classification using Support Vector Machines() : void

- Classification using decision tree() : void

- Classification using naive bayes() : void

- Classification using Logistic Regression() : void

Predict news accuracy() : void

Feature Extraction

News article : string

URL : string

- Feature extraction() : blob

extract

Analyze   1

Result

Result : bool

+ detect result() - fake or real

+ show result() : void

detect fake or real

1..*