In [1]:
```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from wordcloud import WordCloud
df = pd.read_csv(r"D:\NIRALI\Nirali College DSBA\sentiment data task 4.csv")
df.head()
```

Out[1]:

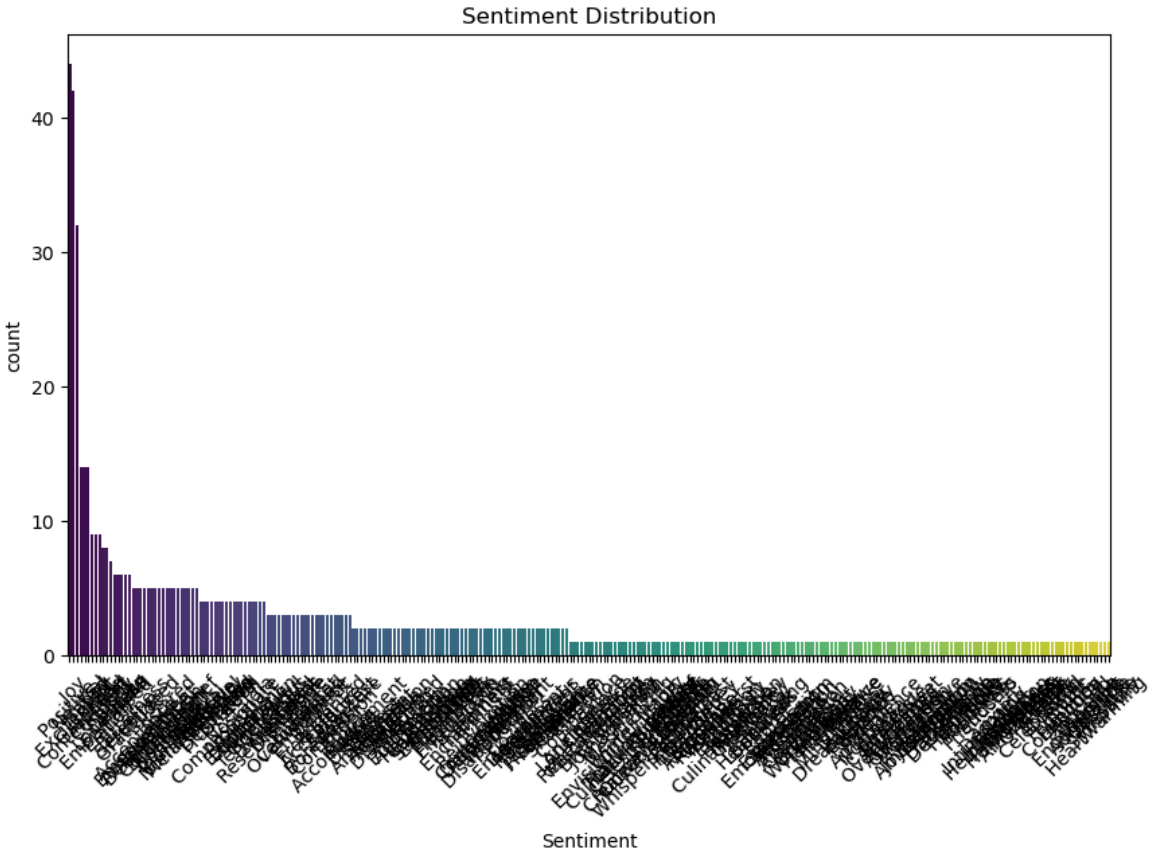
	Unnamed: 0.1	Unnamed: 0	Text	Sentiment	Timestamp	User	Platform	H
0	0	0	Enjoying a beautiful day at the park! ...	Positive	15-01-2023 12:30	User123	Twitter	
1	1	1	Traffic was terrible this morning. ...	Negative	15-01-2023 08:45	CommuterX	Twitter	#
2	2	2	Just finished an amazing workout! 💪 ...	Positive	15-01-2023 15:45	FitnessFan	Instagram	#
3	3	3	Excited about the upcoming weekend getaway! ...	Positive	15-01-2023 18:20	AdventureX	Facebook	#A
4	4	4	Trying out a new recipe for dinner tonight. ...	Neutral	15-01-2023 19:55	ChefCook	Instagram	#

In [2]:
```
print(df['Sentiment'].value_counts())
```

```
Sentiment
Positive          44
Joy               42
Excitement        32
Neutral           14
Contentment       14
                  ..
Triumph            1
Heartwarming       1
Obstacle           1
Sympathy           1
Pressure           1
Name: count, Length: 279, dtype: int64
```

In [3]:
```
#Sentiment distribution
plt.figure(figsize=(10,6))
sns.countplot(data=df, x='Sentiment', order=df['Sentiment'].value_counts().index
plt.title("Sentiment Distribution")
plt.xticks(rotation=45)
plt.show()
```

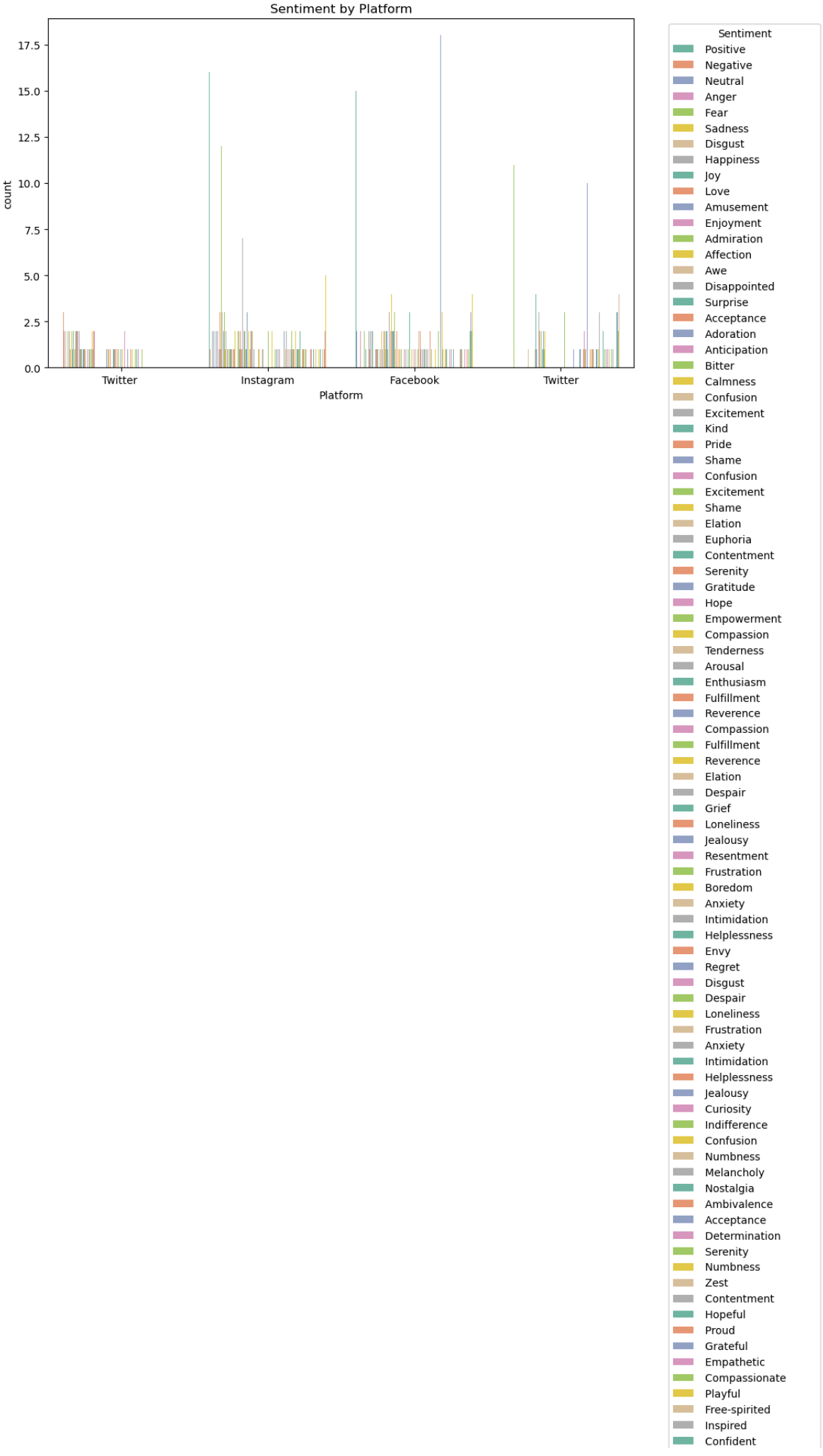
```
C:\Users\ADMIN\AppData\Local\Temp\ipykernel_17508\1944540145.py:3: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed in v
0.14.0. Assign the `x` variable to `hue` and set `legend=False` for the same effe
ct.

  sns.countplot(data=df, x='Sentiment', order=df['Sentiment'].value_counts().inde
x, palette="viridis")
```

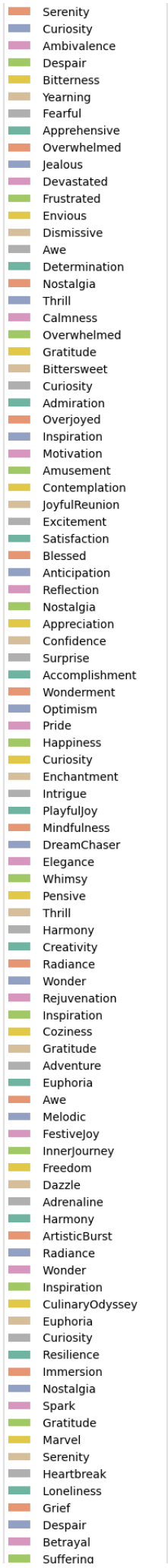


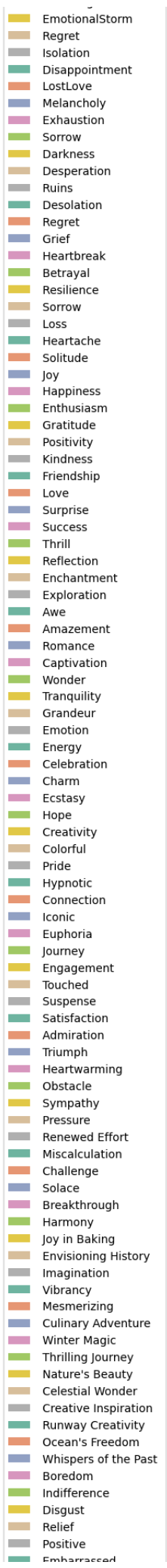
In [5]:
```
#Sentiment distribution by platforms
plt.figure(figsize=(10,6))
sns.countplot(data=df, x='Platform', hue='Sentiment', palette="Set2")
plt.title("Sentiment by Platform")
```

```
plt.legend(bbox_to_anchor=(1.05, 1), loc='upper left', title="Sentiment")
plt.tight_layout()
plt.show()
```

```
C:\Users\ADMIN\AppData\Local\Temp\ipykernel_17508\1329327419.py:6: UserWarning: T
ight layout not applied. The bottom and top margins cannot be made large enough t
o accommodate all Axes decorations.
  plt.tight_layout()
```


Sentiment by Platform
count
Platform
Twitter
Instagram
Facebook
Twitter
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
Sentiment
Positive
Negative
Neutral
Anger
Fear
Sadness
Disgust
Happiness
Joy
Love
Amusement
Enjoyment
Admiration
Affection
Awe
Disappointed
Surprise
Acceptance
Adoration
Anticipation
Bitter
Calmness
Confusion
Excitement
Kind
Pride
Shame
Confusion
Excitement
Shame
Elation
Euphoria
Contentment
Serenity
Gratitude
Hope
Empowerment
Compassion
Tenderness
Arousal
Enthusiasm
Fulfillment
Reverence
Compassion
Fulfillment
Reverence
Elation
Despair
Grief
Loneliness
Jealousy
Resentment
Frustration
Boredom
Anxiety
Intimidation
Helplessness
Envy
Regret
Disgust
Despair
Loneliness
Frustration
Anxiety
Intimidation
Helplessness
Jealousy
Curiosity
Indifference
Confusion
Numbness
Melancholy
Nostalgia
Ambivalence
Acceptance
Determination
Serenity
Numbness
Zest
Contentment
Hopeful
Proud
Grateful
Empathetic
Compassionate
Playful
Free-spirited
Inspired
Confident


Serenity
Curiosity
Ambivalence
Despair
Bitterness
Yearning
Fearful
Apprehensive
Overwhelmed
Jealous
Devastated
Frustrated
Envious
Dismissive
Awe
Determination
Nostalgia
Thrill
Calmness
Overwhelmed
Gratitude
Bittersweet
Curiosity
Admiration
Overjoyed
Inspiration
Motivation
Amusement
Contemplation
JoyfulReunion
Excitement
Satisfaction
Blessed
Anticipation
Reflection
Nostalgia
Appreciation
Confidence
Surprise
Accomplishment
Wonderment
Optimism
Pride
Happiness
Curiosity
Enchantment
Intrigue
PlayfulJoy
Mindfulness
DreamChaser
Elegance
Whimsy
Pensive
Thrill
Harmony
Creativity
Radiance
Wonder
Rejuvenation
Inspiration
Coziness
Gratitude
Adventure
Euphoria
Awe
Melodic
FestiveJoy
InnerJourney
Freedom
Dazzle
Adrenaline
Harmony
ArtisticBurst
Radiance
Wonder
Inspiration
CulinaryOdyssey
Euphoria
Curiosity
Resilience
Immersion
Nostalgia
Spark
Gratitude
Marvel
Serenity
Heartbreak
Loneliness
Grief
Despair
Betrayal
Suffering


EmotionalStorm
Regret
Isolation
Disappointment
LostLove
Melancholy
Exhaustion
Sorrow
Darkness
Desperation
Ruins
Desolation
Regret
Grief
Heartbreak
Betrayal
Resilience
Sorrow
Loss
Heartache
Solitude
Joy
Happiness
Enthusiasm
Gratitude
Positivity
Kindness
Friendship
Love
Surprise
Success
Thrill
Reflection
Enchantment
Exploration
Awe
Amazement
Romance
Captivation
Wonder
Tranquility
Grandeur
Emotion
Energy
Celebration
Charm
Ecstasy
Hope
Creativity
Colorful
Pride
Hypnotic
Connection
Iconic
Euphoria
Journey
Engagement
Touched
Suspense
Satisfaction
Admiration
Triumph
Heartwarming
Obstacle
Sympathy
Pressure
Renewed Effort
Miscalculation
Challenge
Solace
Breakthrough
Harmony
Joy in Baking
Envisioning History
Imagination
Vibrancy
Mesmerizing
Culinary Adventure
Winter Magic
Thrilling Journey
Nature's Beauty
Celestial Wonder
Creative Inspiration
Runway Creativity
Ocean's Freedom
Whispers of the Past
Boredom
Indifference
Disgust
Relief
Positive
Embarrassed

In [ ]: