In [1]:
```
import pandas as pd
import matplotlib.pyplot as plt
from wordcloud import WordCloud
```

In [2]:
```
df = pd.read_csv("android-games.csv")
```

In [3]:
```
df.head()
```

Out[3]:

	rank	title	total ratings	installs	average rating	growth (30 days)	growth (60 days)	price	category	5 star ratings	4 star ratings	3 star ratings	2 star ratings	1 star ratings	paid
0	1	Garena Free Fire- World Series	86273129	500.0 M	4	2.1	6.9	0.0	GAME ACTION	63546766	4949507	3158756	2122183	12495915	False
1	2	PUBG MOBILE - Traverse	37276732	500.0 M	4	1.8	3.6	0.0	GAME ACTION	28339753	2164478	1253185	809821	4709492	False
2	3	Mobile Legends: Bang Bang	26663595	100.0 M	4	1.5	3.2	0.0	GAME ACTION	18777988	1812094	1050600	713912	4308998	False
3	4	Brawl Stars	17971552	100.0 M	4	1.4	4.4	0.0	GAME ACTION	13018610	1552950	774012	406184	2219794	False
4	5	Sniper 3D: Fun Free Online FPS Shooting Game	14464235	500.0 M	4	0.8	1.5	0.0	GAME ACTION	9827328	2124154	1047741	380670	1084340	False

In [4]:
```
df.category.value_counts()
```

Out[4]:
```
GAME CARD             126
GAME WORD             104
GAME ARCADE           100
GAME PUZZLE           100
GAME BOARD            100
GAME CASINO           100
GAME STRATEGY         100
GAME ACTION           100
GAME SIMULATION       100
GAME EDUCATIONAL      100
GAME MUSIC            100
GAME RACING           100
GAME ROLE PLAYING     100
GAME CASUAL           100
GAME ADVENTURE        100
GAME SPORTS           100
GAME TRIVIA           100
Name: category, dtype: int64
```

In [5]:
```
df.isna().sum()
```

Out[5]:
```
rank                0
title               0
total ratings       0
installs            0
average rating      0
growth (30 days)    0
growth (60 days)    0
price               0
category            0
5 star ratings      0
4 star ratings      0
3 star ratings      0
2 star ratings      0
1 star ratings      0
paid                0
dtype: int64
```

In [6]:
```
text = " ".join(cat.split()[1] for cat in df.category)
```

In [7]:
```
word_cloud = WordCloud(collocations=False, background_color='white').generate(text)
```

In [8]:
```
plt.imshow(word_cloud, interpolation='bilinear')
plt.axis("off")
plt.show()
```

In [ ]:
```
```