# Plot the path for a particular account

# Specify the account number you want to plot

account\_number\_to\_plot = 101

# Filter the account path for the specified account number

filtered\_path = account\_paths[account\_paths['account\_number'] == account\_number\_to\_plot]

if not filtered\_path.empty:

# Get the full path as a list of steps

path\_steps = filtered\_path['full\_path'].iloc[0].split(" → ")

# Plot the path as a step chart

plt.figure(figsize=(10, 6))

plt.plot(range(len(path\_steps)), path\_steps, marker='o', linestyle='-', color='blue', label=f'Account {account\_number\_to\_plot}')

# Add labels to each step

for i, step in enumerate(path\_steps):

plt.text(i, i, step, fontsize=9, ha='center', va='bottom')

# Customize plot

plt.title(f"Path Visualization for Account {account\_number\_to\_plot}")

plt.xlabel("Step Number")

plt.ylabel("Pages")

plt.xticks(range(len(path\_steps)), [f"Step {i+1}" for i in range(len(path\_steps))], rotation=45)

plt.legend()

plt.tight\_layout()

plt.show()

else:

print(f"No data found for account number {account\_number\_to\_plot}.")