School: SOET Campus: V2m

Academic Year: 2024/25 Subject Name: DMP Subject Code: Cs1ml018

Semester: 7th Program: B.TECH Branch: ECE Specialization: ECE

Date:

Applied and Action Learning

(Learning by Doing and Discovery)

e of the Experiement : Process in an e-commerce platform. use python

ding Phase: Pseudo Code / Flow Chart / Algorithm

Define the steps in the e-commerce process

Determine the vertical position for each step to display them in order.

Create a figure and axis for the flowchart visualization

Plot each step as a rectangle with labels.

Draw arrows blw each step to indicate the flow of process

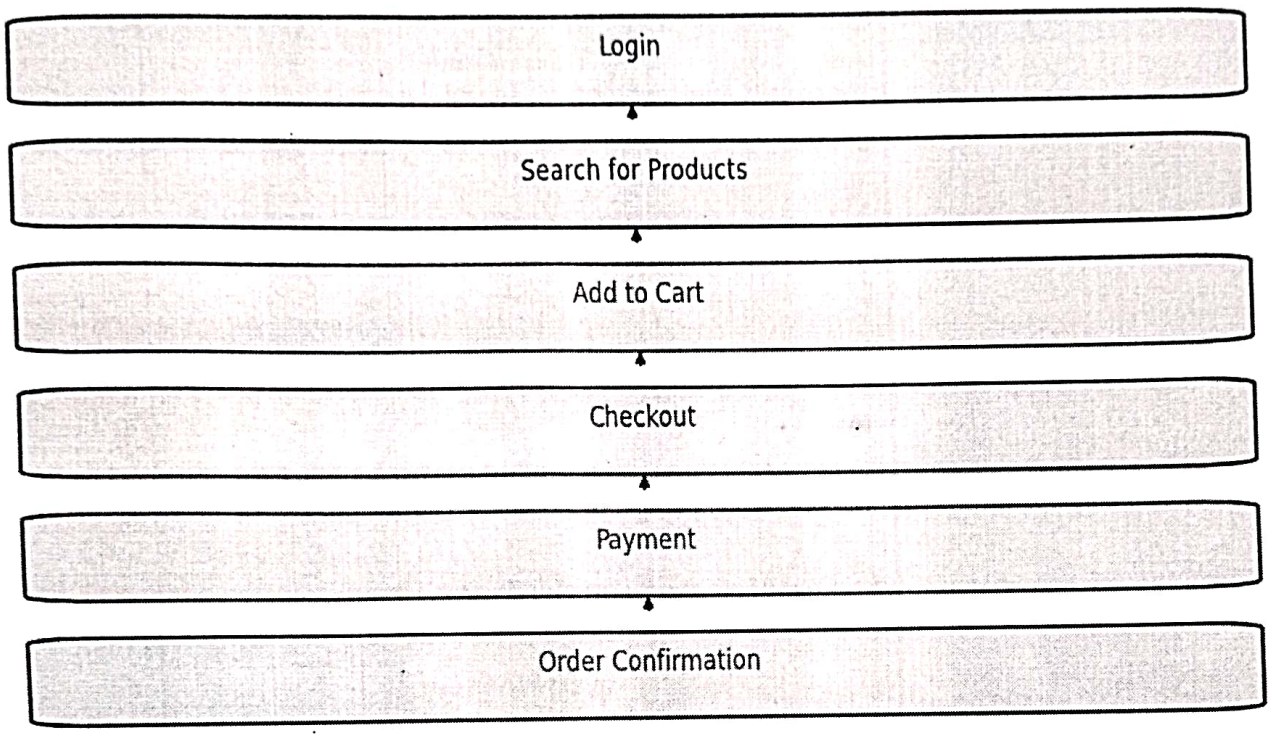
Set axis limits and hide the axes to focus on the flowchart.

Add a title to the visualization

Display the flowchart.

sting Phase: Compilation of Code (error detection)

mplementation Phase: Final Output (no error)



ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/ Practical Simulation/ Programming	10		
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	**50**		

Signature of the Student: G. Sumanth

Name : G. Sumanth

Regn. No. : 211801131001

Signature of the Faculty:

```
Import matplotlib.pyplot as plt
Import matplotlib.patches as mpatches
: "Login"
".Search for products",
"Add to cart",
"checkout",
"payment",
"Order Confirmation"
y_positions = [5, 4, 3, 2, 1, 0]
fig, ax = plt.subplots (figsize=(10,6))
for i, step in enumerate (steps):
    ax.add_patch (mpatches.fancyBboxpatch(
    0.1, y_positions[i]-0.4),
    0.8, 0.6,
    boxstyle = "round, pad = 0.05",
    linewidth = 2, edgecolor = 'black', facecolor = "lightblue'.
for i in range(len(steps)-1):
    ax.annotate('', xy=(0.5, y_positions[i]-0.4], xytext=(0.5,
        arrowprops=dict (arrowstyle="->", color='black', lw=2))
    ax.set_xlim(0,1)
    ax.set_ylim(-1,6)
    ax.axis('off')
plt.title ('E-commerce process flow', fontsize=16)
```