

## Bansilal Ramnath Agarwal Charitable Trust's Vishwakarma Institute of Information Technology

## Department of Artificial Intelligence and Data Science

**Student Name: Siddhesh Dilip Khairnar** 

Class: SY Division: B Roll No: 272028

Semester: 4th Academic Year: 2022-23

**Subject Name & Code: Software Engineering, ADUA22204** 

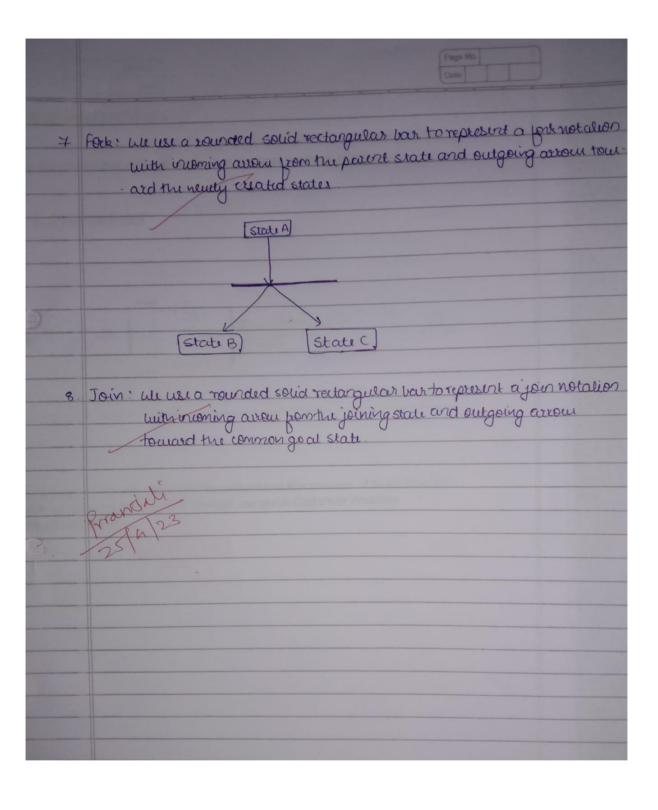
Title of Assignment: Assignment No. 6: Derive the use cases based on the requirements from CPS and draw the State Diagram.

Date of Performance: 16-04-2023 Date of Submission: 25-04-2023

<u>Aim</u>: Derive the use cases based on the requirements from CPS and draw the State Diagram.

**Software Requirement: Wondershare EdrawMax** 

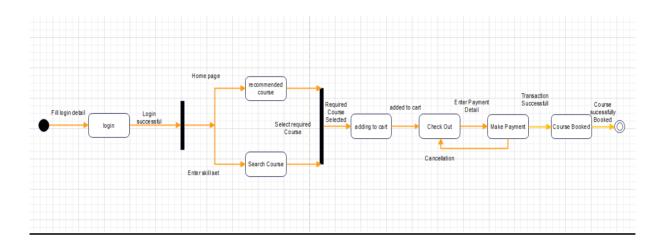
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	SE Assignment no 6
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	Name: Siddhush Dilip khaimar
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nitle-Met	Division: B(B2) and define of the Laintenant
	White white there are permon
K	State Diagram: -
Dwg.	Need and use of state diagram: -
Avy 1.	A state diagram, also known as a state madrine, is a visual
-0000	representation of the behavious of a system on process.
2.	It is used tomodel the state of a system and the transition between them.
Carried	between them.
3.	state diagrams arrogur used in software engineering, woult of
	engineering and other field tomodel complex system and process.
4.	The primary use of a state diagram is to describe the behavious of a
- Williams	system in a clear and concise curry.
5	It can be used to model everything from simple system, such as a
	verding machine, to complex system, such as a computer operating
2 /	System.
6	State cliagram help to identify the different state of a system and the
	transition w/w trum, making it easier to undowstand the behavelow
and the	of the system as a whole.
الم داورا ،	* some of the benefit of using a state diagram include:-
	2) communication
	3) Design
Marko	4) Testing.
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	asulano /



## **Result of Experimentation:**

**CPS**: Student finding Courses to learn different skills.

## **❖ STATE DIAGRAM**



<u>Conclusion</u>: Thus, we were able to understand the concept of State Diagram and we have implemented it through our given Customer Problem Statement (CPS).