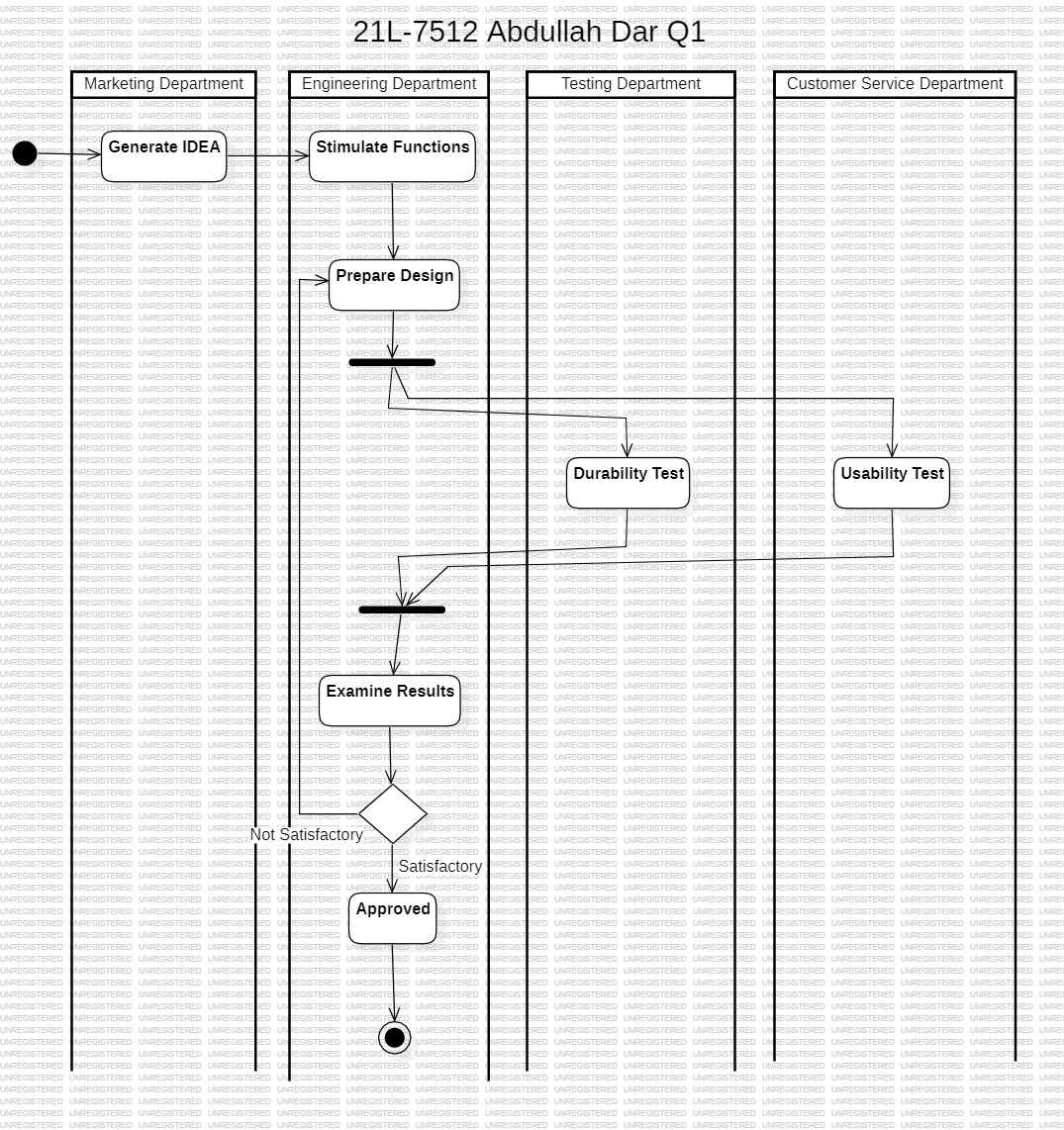
**21L-7512 Abdullah Dar BSCS-5G**

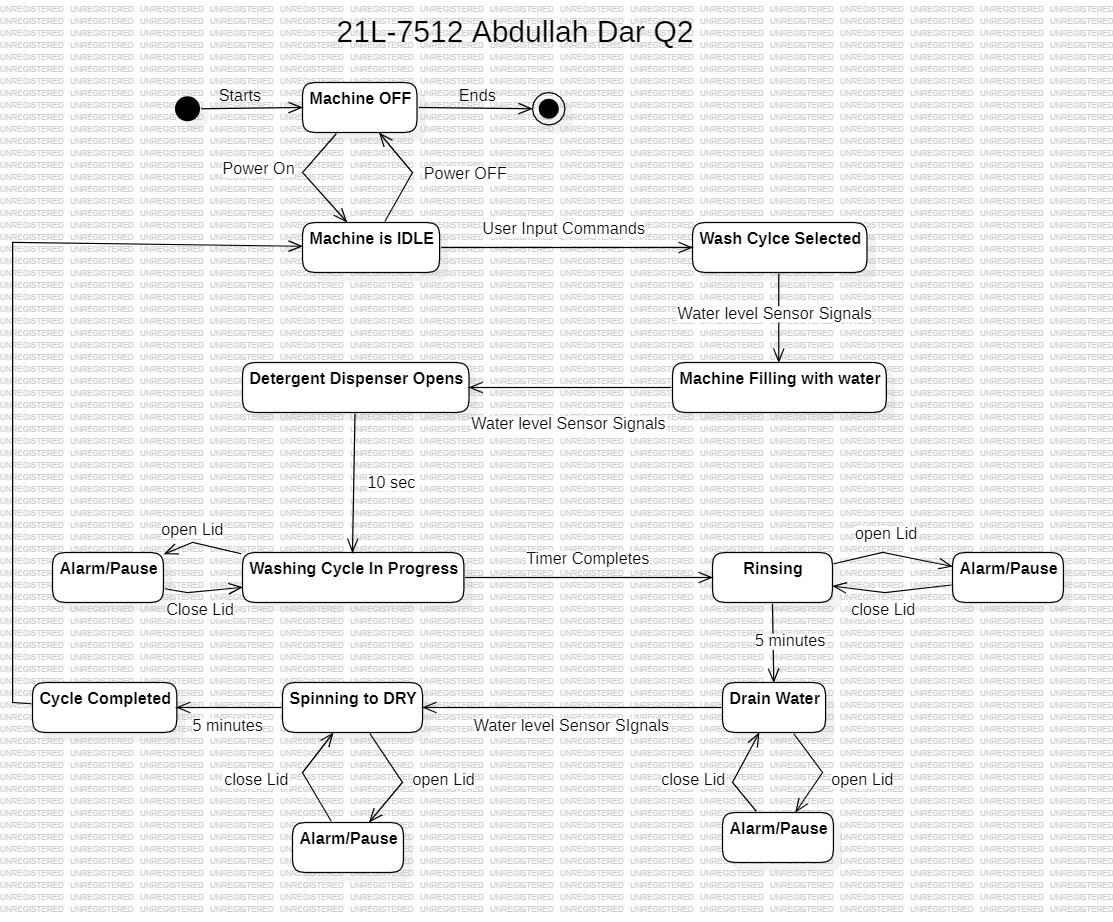
**Software Design and Analysis**

**Assignment no: 3**

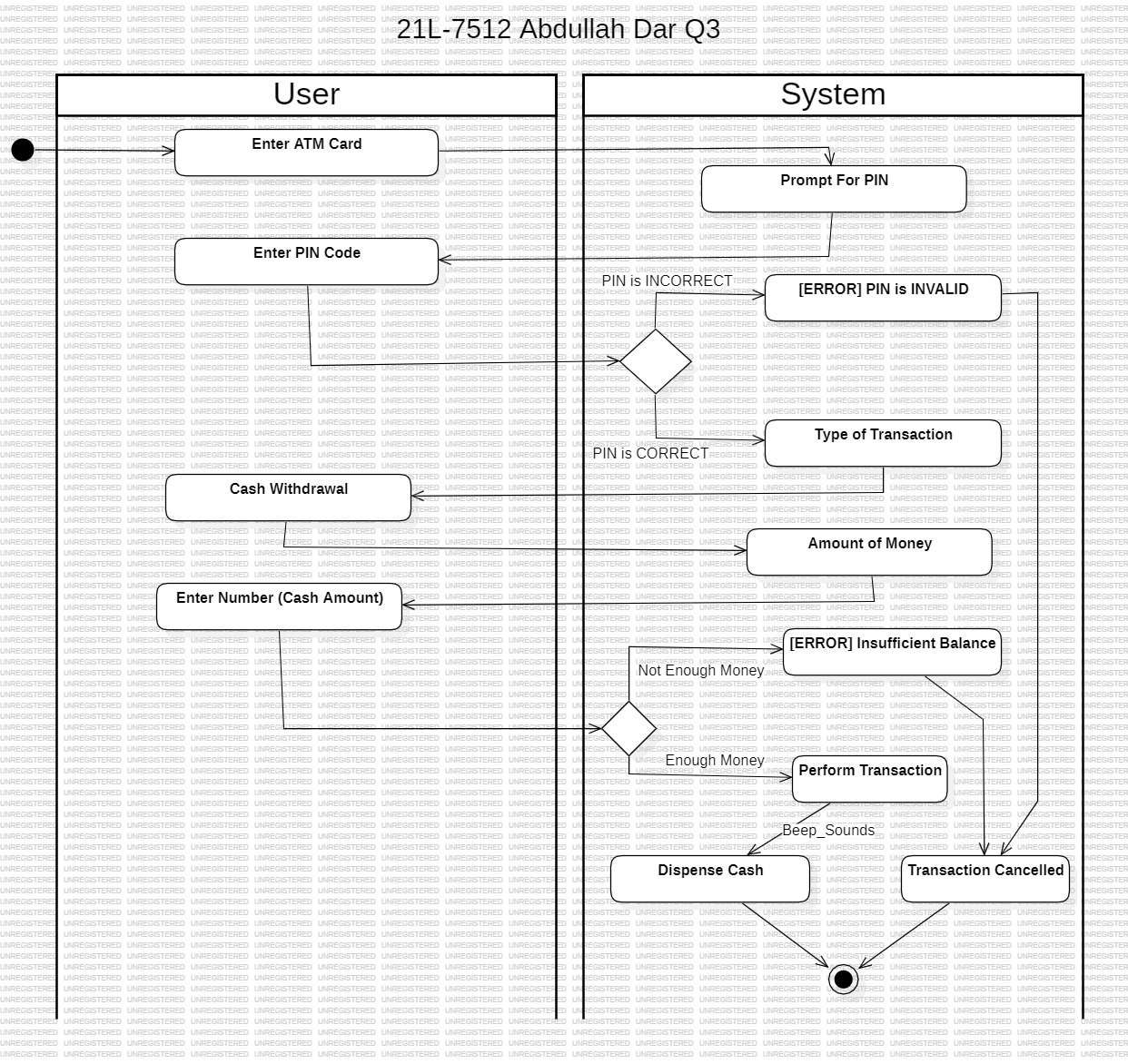
**Question no: 1: Swim-lane activity diagram**

****

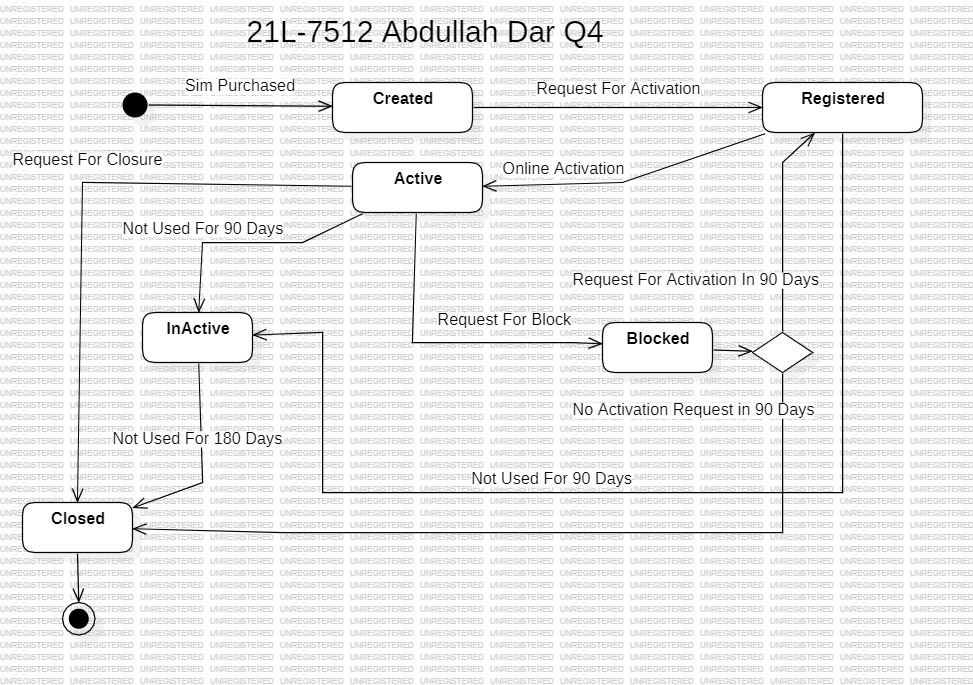
**Question no: 2:** **State diagram for the any automatic washing machine near you.**

****

**Question no :3: Activity Diagram**

****

**Question no: 4: State Diagram**

****

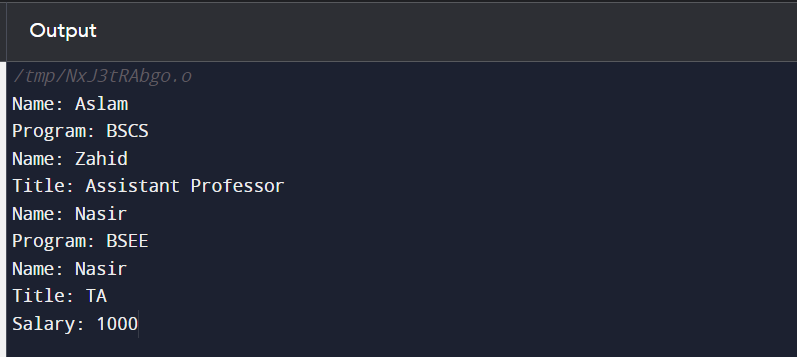
**Question no: 5: Use virtual inheritance to resolve the diamond problem.**

**Code:**

**A screenshot of a computer screen

Description automatically generated**

**OUTPUT:**

****