SOFE3650U - Software Design & Architecture
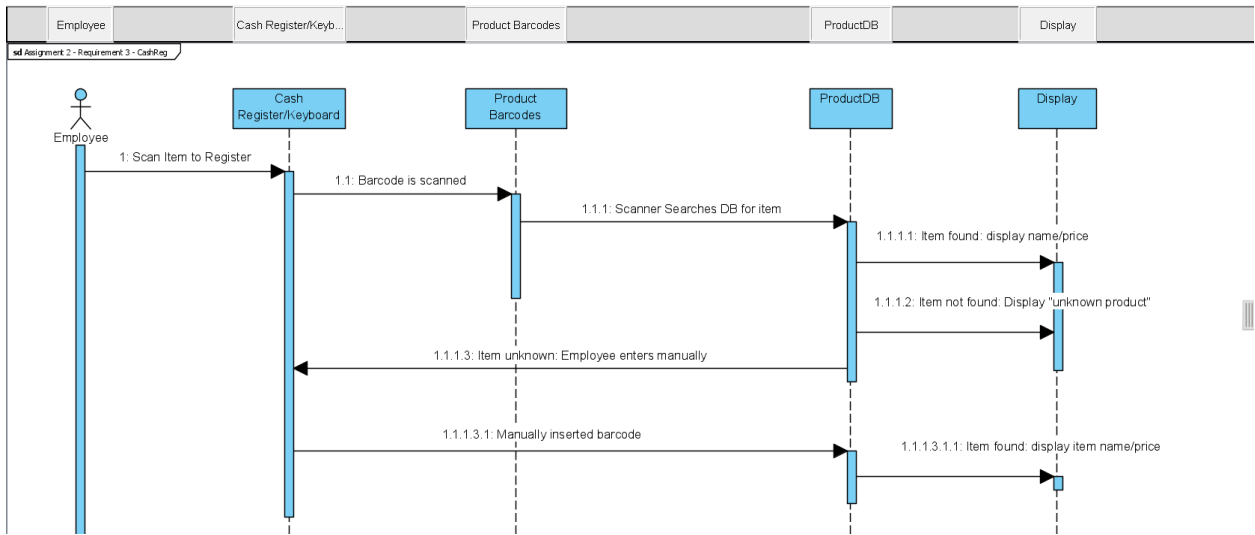
Assignment #2
Software Architecture Modelling

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Package Dependency Diagram
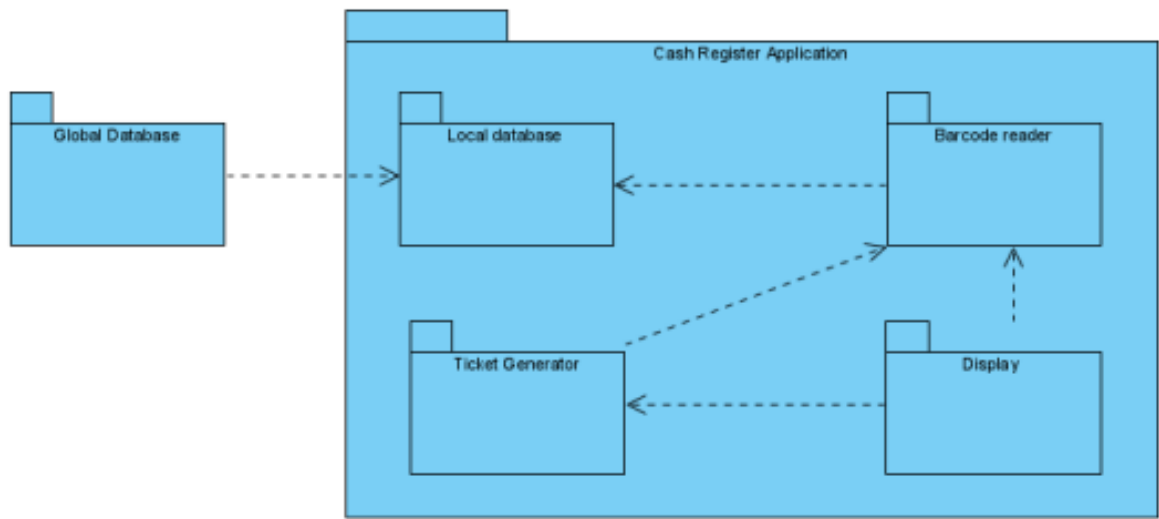
Sequence Diagram

Modified sequence diagram from exercise 2

CashRegKeyboard	FaultHandler	PositionSensor	ControlPanel	PanControl...	SensorInputDeviceP...	ActuatorOutputDevicePanControl
CashRegKeyboard	FaultHandler	PositionSensor	ControlPanel	PanControl Actuator	SensorInputDevice PositionSensor	ActuatorOutputDevicePanControl

1: Get operation state

2: Get Value

(PositionSensor.OpState = 1)

3: Get physical value

4: Get operation state

5: Set Value

6: Set physical value

7: Get operation state

8: Store Error

(PositionSensor.OpState = 0)

9: KeyboardSession Begins

9.1: Cashier manually enters product information

9.1.1: Item is found, keyboard session ends at control panel

9.1.1.1: Set physical value