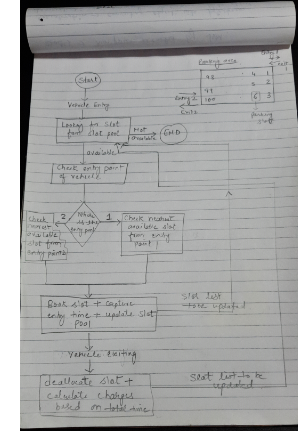
FLOW CHART:



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OUTPUT of functionality implemented:

before allocation

{1: {'slotno': 'SL01', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 2: {'slotno': 'SL02', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 3: {'slotno': 'SL03', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 4: {'slotno': 'SL04', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 5: {'slotno': 'SL05', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 6: {'slotno': 'SL06', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 7: {'slotno': 'SL07', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 8: {'slotno': 'SL08', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 9: {'slotno': 'SL09', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 10: {'slotno': 'SL10', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}}

after allocation 'MH1001' from ENTRY1

{1: {'slotno': 'SL01', 'occupancy': 'occupied', 'vehicleno': 'MH1001', 'occupaiedsince': datetime.datetime(2021, 7, 5, 11, 27, 4, 920734)}, 2: {'slotno': 'SL02', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 3: {'slotno': 'SL03', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 4: {'slotno': 'SL04', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 5: {'slotno': 'SL05', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 6: {'slotno': 'SL06', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 7: {'slotno': 'SL07', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 8: {'slotno': 'SL08', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 9: {'slotno': 'SL09', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 10: {'slotno': 'SL10', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}}

after allocation 'MH1002' from ENTRY2

{1: {'slotno': 'SL01', 'occupancy': 'occupied', 'vehicleno': 'MH1001', 'occupaiedsince': datetime.datetime(2021, 7, 5, 11, 27, 4, 920734)}, 2: {'slotno': 'SL02', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 3: {'slotno': 'SL03', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 4: {'slotno': 'SL04', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 5: {'slotno': 'SL05', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 6: {'slotno': 'SL06', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 7: {'slotno': 'SL07', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 8: {'slotno': 'SL08', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 9: {'slotno': 'SL09', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 10: {'slotno': 'SL10', 'occupancy': 'occupied', 'vehicleno': 'MH1002', 'occupaiedsince': datetime.datetime(2021, 7, 5, 11, 27, 4, 920786)}}

after allocation 'MH1003' from ENTRY1

{1: {'slotno': 'SL01', 'occupancy': 'occupied', 'vehicleno': 'MH1001', 'occupaiedsince': datetime.datetime(2021, 7, 5, 11, 27, 4, 920734)}, 2: {'slotno': 'SL02', 'occupancy': 'occupied', 'vehicleno': 'MH1003', 'occupaiedsince': datetime.datetime(2021, 7, 5, 11, 27, 4, 920821)}, 3: {'slotno': 'SL03', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 4: {'slotno': 'SL04', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 5: {'slotno': 'SL05', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 6: {'slotno': 'SL06', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 7: {'slotno': 'SL07', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 8: {'slotno': 'SL08', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 9: {'slotno': 'SL09', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 10: {'slotno': 'SL10', 'occupancy': 'occupied', 'vehicleno': 'MH1002', 'occupaiedsince': datetime.datetime(2021, 7, 5, 11, 27, 4, 920786)}}

after deallocation 'MH1002'

{1: {'slotno': 'SL01', 'occupancy': 'occupied', 'vehicleno': 'MH1001', 'occupaiedsince': datetime.datetime(2021, 7, 5, 11, 27, 4, 920734)}, 2: {'slotno': 'SL02', 'occupancy': 'occupied', 'vehicleno': 'MH1003', 'occupaiedsince': datetime.datetime(2021, 7, 5, 11, 27, 4, 920821)}, 3: {'slotno': 'SL03', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 4: {'slotno': 'SL04', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 5: {'slotno': 'SL05', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 6: {'slotno': 'SL06', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 7: {'slotno': 'SL07', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 8: {'slotno': 'SL08', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 9: {'slotno': 'SL09', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}, 10: {'slotno': 'SL10', 'occupancy': 'free', 'vehicleno': '', 'occupaiedsince': ''}}

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