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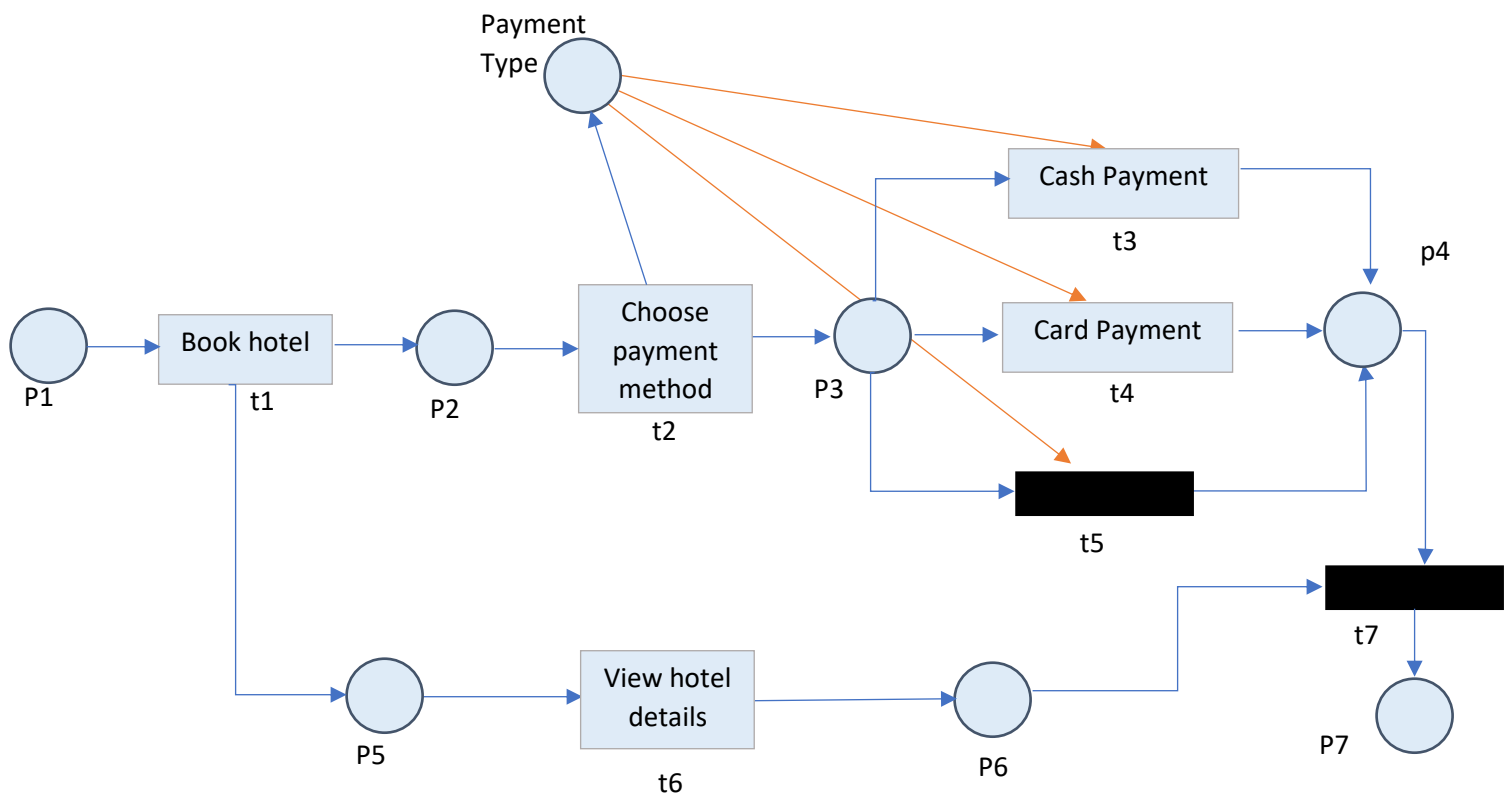
PETRI-NET FOR A HOTEL RESERVATION SYSTEM

INTRODUCTION

A hotel reservation system is a software application that is implemented by hotels to allow guests to create secure online reservations. A hotel reservation system works by processing secure online reservations made through a hotel's website. The data is then passed onto a backend system which can be accessed by hotels to manage bookings. To sell rooms to capacity and to appeal to a large audience, a hotel reservation system is required.

A petri-net of a Hotel Reservation System

This Petri net describes a booking process, where the user first books a hotel, chooses the payment type, pays for the reservation (using one of the payment types) or skips the payment, and views the hotel details (before, after, or during the pay)