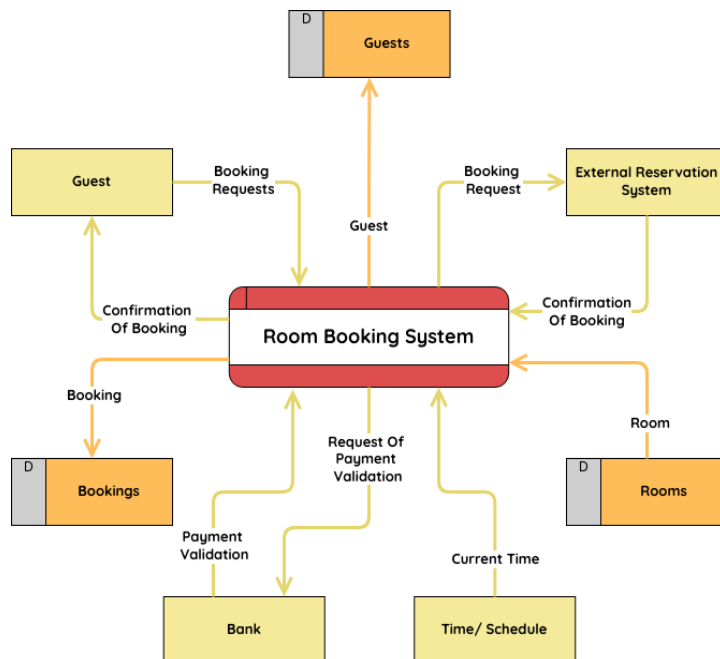


Data Flow Diagram & User Stories

Date	12.10.2023
Team ID	NM2023TMID06074
Project Name	Analysing the Performance and Efficiency of the Radisson Hotels using Data Visualization Techinques using IBM COGNOS
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example: [\(Simplified\)](#)

User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Guest	Reservation System	US01	As a guest, I want to make a reservation efficiently.	1.I can easily select the check-in and check-out dates. 2. I can view available rooms and their prices. 3. I can provide my personal details for the reservation.	High	1.0.0
Guest	Check-in and Check-out	US02	As a guest, I want to check in and out quickly.	1. I can complete the check-in process online or at the front desk efficiently. 2. I receive a digital key for my room. 3. I can check out without any delays	High	1.0.0
Guest	Room Service Requests	US03	As a guest, I want to request room services with ease.	1. I can place room service orders from my mobile app. 2. I receive timely and accurate service. 3. Charges are transparent and efficient.	Medium	1.1.0
Guest	Billing and Payment	US04	As a guest, I want a smooth and transparent billing process.	1. I receive an itemized bill at check-out. 2. I can review and confirm charges efficiently. 3. Multiple payment options are available.	High	1.0.0
Hotel Staff	Reservation Management	US05	As a hotel staff member, I want to efficiently manage reservations.	1. I can view, modify, or cancel reservations with minimal clicks. 2. Room allocation is automated and optimized. 3. Guest data is securely stored and accessible.	High	1.0.0

Hotel Staff	Guest Services Requests	US06	As a hotel staff member, I want to respond to guest requests promptly.	1. I receive room service requests in real-time. 2. Requests are assigned and fulfilled efficiently. 3. Guest feedback and ratings are collected.	Medium	1.1.0
Management	Pricing Optimization	US07	As management, I want to optimize room pricing efficiently.	1. Machine learning models adjust room prices based on demand. 2. Pricing changes are real-time and reflect market trends. 3. Price adjustments result in increased revenue.	High	1.2.0
Management	Scalable Infrastructure	US08	As management, I want a scalable architecture for high occupancy periods	1. System auto-scales to handle peak loads. 2. Resources are allocated efficiently during high demand. 3. Downtime is minimized during scaling.	High	1.2.0