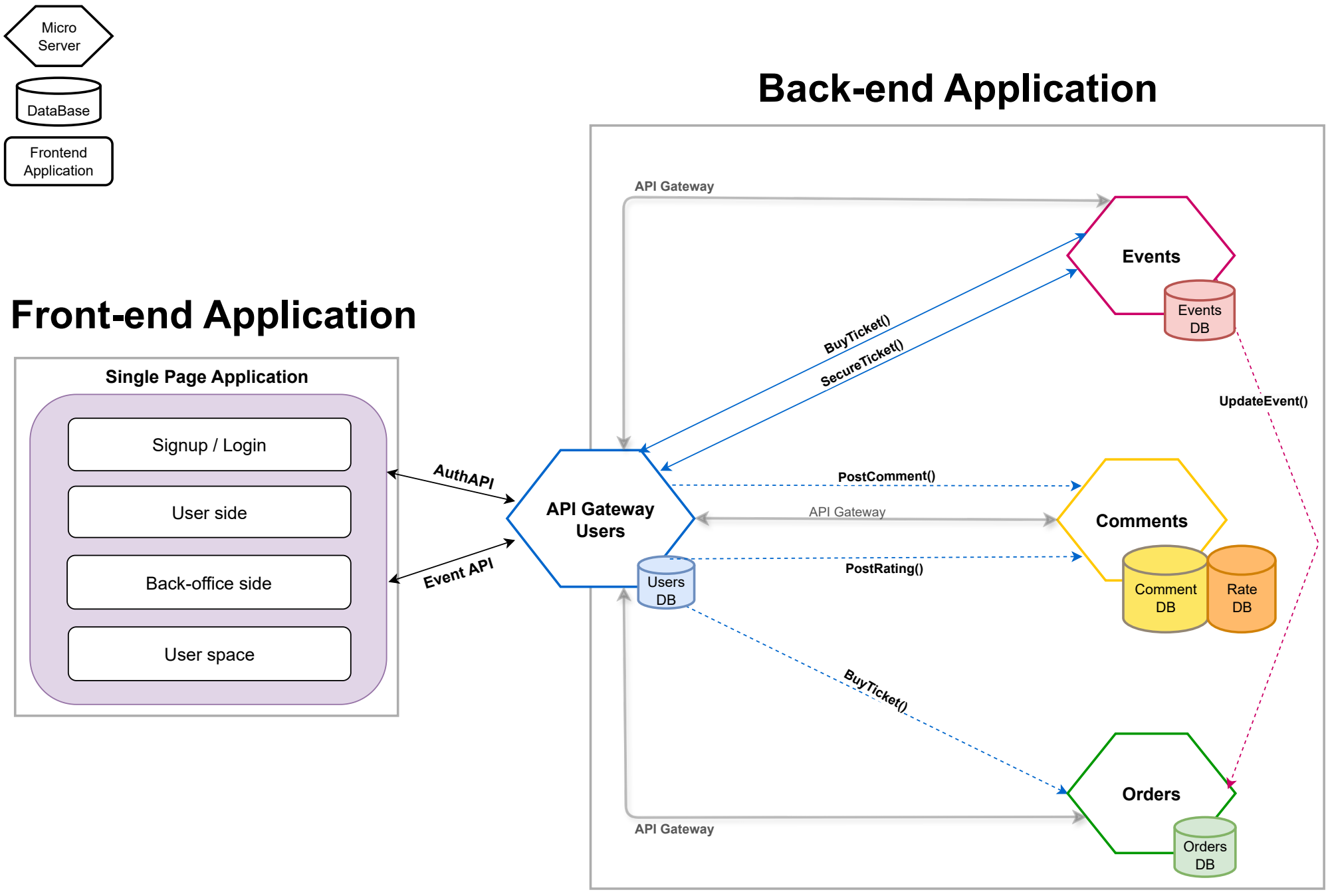
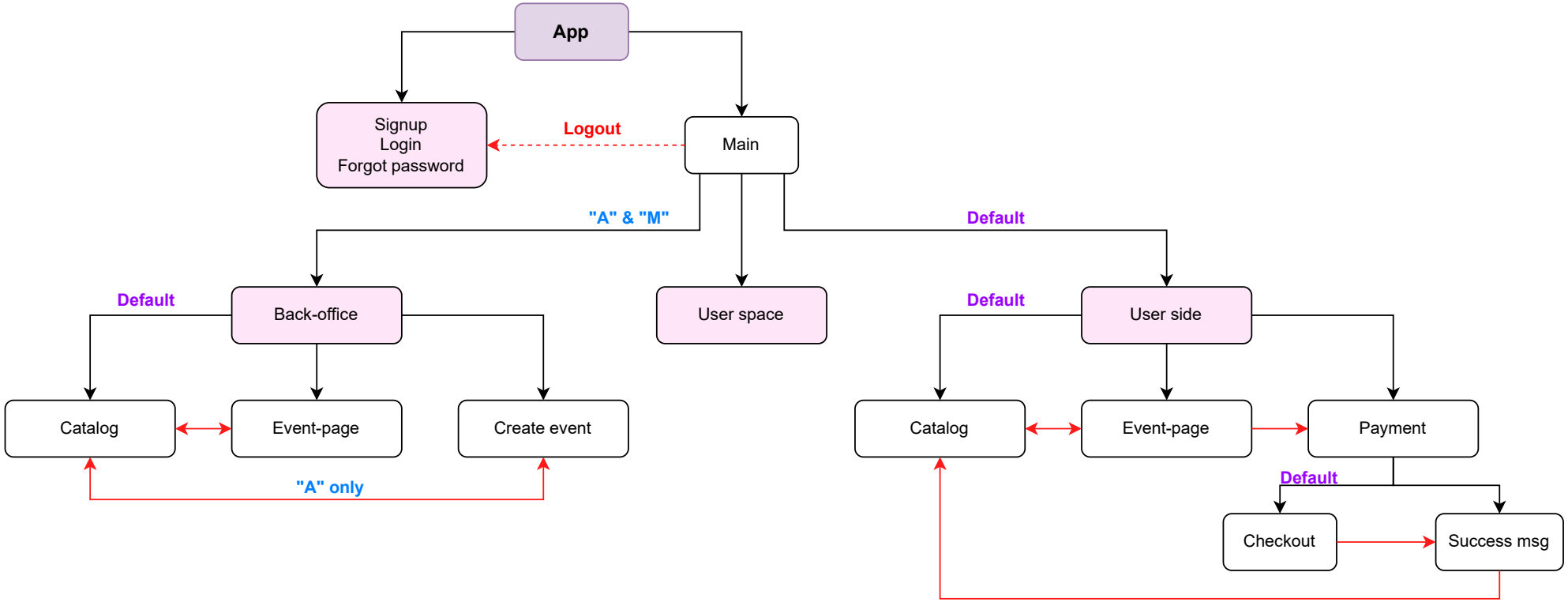
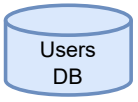

Micro Server
DataBase
Frontend Application
Back-end Application
Front-end Application
Single Page Application
Signup / Login
User side
Back-office side
User space
AuthAPI
Event API
API Gateway Users
Users DB
API Gateway
BuyTicket()
SecureTicket()
Events
Events DB
UpdateEvent()
PostComment()
API Gateway
Comments
Comment DB
Rate DB
PostRating()
BuyTicket()
Orders
Orders DB
API Gateway

Front-end flow



Database Schemes

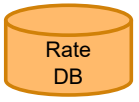


User

username: string
password: string
permission: string
securityQuestion: string
securityAnswer: string

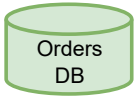
Comment

comment: string
author: string
eventId: string
date: Date



Rate

eventId: string
username: string
rate: number



Order

username: string
eventId: string
eventName: string
descriptioin: string
location: string
organizer: string
quantity: number
totalPrice: number
ticketsType: string
startDate: Date
endDate: Date
purchaseDate: Date

Event

name: string;
category: string;
location: string;
startDate: Date;
endDate: Date;
description: string;
organizer: String,
totalAvailableTickets: number;
lowestPrice: number;
imageUrl: string;
tickets: [ticketsCategoriesSchema]
reservations: [reservationSchema]

ticketsCategoriesSchema

type: String,
price: Number,
initialQuantity: Number,
availableQuantity: Number,

reservationSchema

orderId: String,
username: String,
ticketType: String,
quantity: Number,
expiresAt: Date,
confirmed: Boolean