

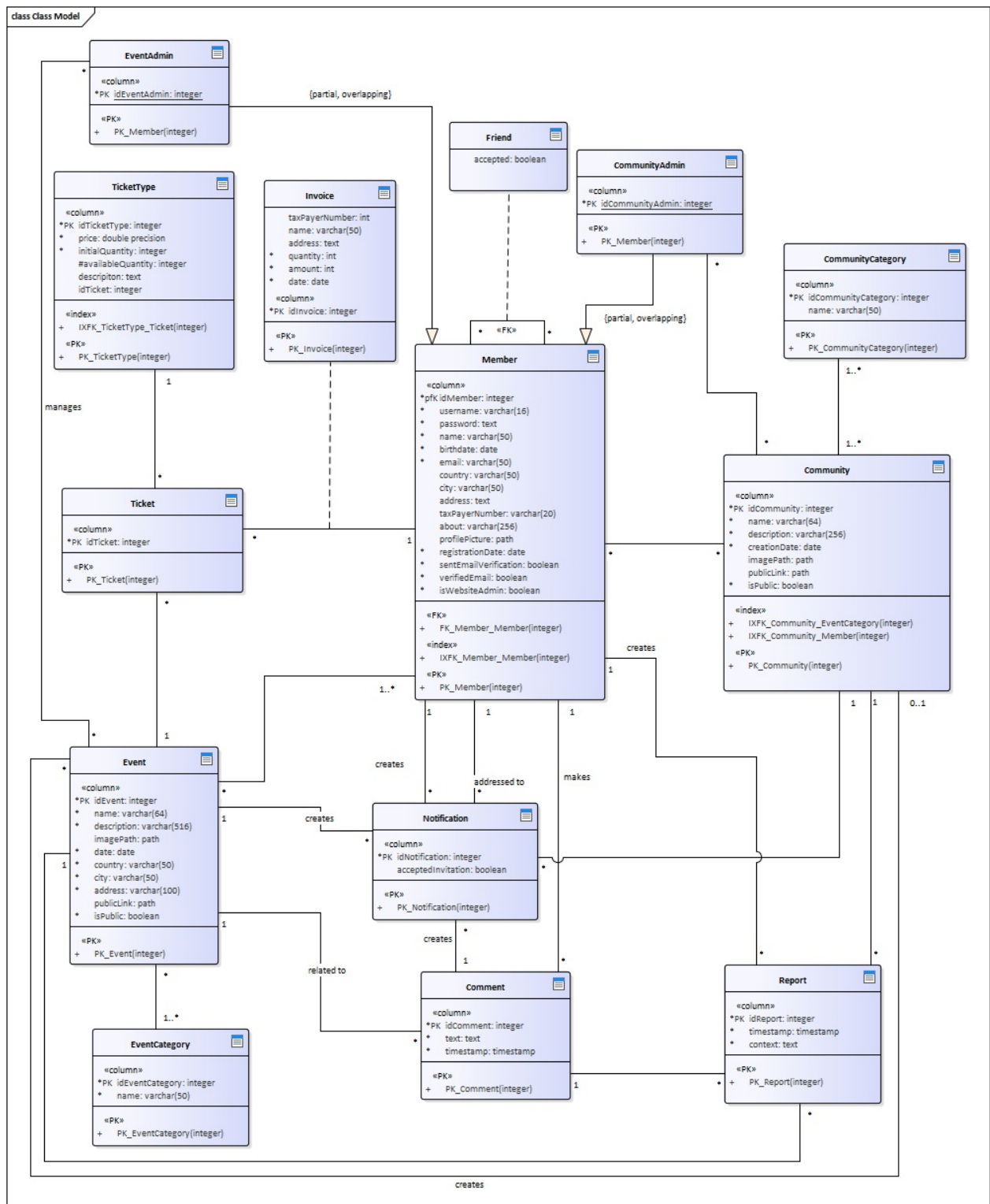
A4: Conceptual Data Model

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1. Class diagram

The Class Diagram presented below indicates all the relationships between each class on the database



2. Additional Business Rules

Identifier	Name	Description	Table
BR1	Admin Permissions	The Website Admin can manage reports	
BR2	Friend of myself	A member can't befriend him-herself	Member
BR3	Type of Notification	There's only one Foreign Key NOT NULL, the remain ones must be NULL	Notification

BR4	Ticket Quantity	Ticket "quantity" must be greater than 0	Invoice
BR5	Ticket Amount	Ticket "amount" must be greater than 0	Invoice
BR6	Registration Date	At Registration, "registrationDate" must be set to TODAY	Member
BR7	Creation Date	When the Community is created, "creationDate" must be set to TODAY	Community
BR8	Birthday Date	"birthdayDate" must be set lower than TODAY	Member
BR9	Event Date	Event "date" must be greater than TODAY	Event
BR10	Invoice Date	When the invoice is generated, "date" must be set to TODAY	Invoice
BR11	Ticket Initial Quantity	Ticket "initialQuantity" must be greater than 0	Ticket
BR12	Creation Date	At Community creation, "creationDate" must be set to TODAY	Community
BR13	Type of Report	There's only one Foreign Key NOT NULL, the remain ones must be NULL	Report
BR14	Event Public Link	If Event is Public, "publicLink" must be NOT NULL	Event
BR15	Community Public Link	If Community is Public, "publicLink" must be NOT NULL	Community
BR16	TicketType amounts	"price", "initialQuantity" and "availableQuantity" should be greater than 0	TicketType

All words inside "" are column names.

Changes made to the first submission:

- Added new Class Diagram
- Added more Constrains