**Complete Relational Schema and their FDs**

**Host** (

hostID: integer,

hostName: string,

hostPhoneNo: integer,

hostEmail: string,

hostBankName: string,

hostBankAccountNo: integer

)

*hostID → hostName, hostPhoneNo, hostEmail, hostBankName, hostBankAccountNo*

**House** (

hostID: integer,

houseID: integer,

houseAddress: string,

houseRate: float,

maxOccupancy: integer

)

*hostID, houseID → houseAddress, houseRate, maxOccupancy*

note: this is a weak entity set

**Amenities** (

hostID: integer,

houseID: integer,

wifi: boolean,

parking: boolean,

kitchen: boolean,

pet\_friendly: boolean,

washer: boolean,

dryer: boolean

)

*hostID, houseID → wifi, parking, kitchen, pet\_friendly, washer, dryer*

note: this is a weak entity set

**Guest** (

guestID: integer,

guestName: string,

guestPhoneNo: integer,

guestEmail: string

)

*guestID → guestName, guestPhoneNo, guestEmail*

**Reservation** (

reservationID: integer,

numberGuests: integer,

checkInDate: date,

checkOutDate: date,

isCanceled: Boolean

billDate: date,

billAmount: float,

isPaid: boolean

)

*reservationID → numberGuests, checkInDate, checkOutDate, isCanceled, billDate, billAmount, isPaid*

**Reviews** (

reviewID: integer,

stars: integer,

comments: string,

)

*reviewID → stars, comments*

**madeNpaidBy** (

paymentID: integer,

paymentMethod: string,

CCNumber: integer,

nameOnCard: string,

ccExpDate: integer,

)

*paymentID → paymentMethod, CCNumber, nameOnCard, ccExpDate*

**views** (

guestID: integer,

hostID: integer,

houseID, integer

)

*No FDs*

**hostedBy** (

hostID: integer,

houseID: integer

)

*No FDs*

**receives** (

reservationID: integer,

hostID: integer

)

*No FDs*

**givenTo** (

hostID: integer,

houseID: integer,

reviewID, integer

)

*No FDs*

**givenBy** (

guestID: integer,

reviewID, integer

)

*No FDs*