Entity Relationship Model (UML-Notation)
for a Database for Renting Appartements and Bedrooms

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Member
- member_id {ID} (INT)
- first name (TINYTEXT)
- last name (TINYTEXT)
- gender (ENUM(m/w/d))
- birthday (DATE)
- profile picture (VARCHAR(100))

Login Information
- email {ID} (VARCHAR(50))
- password (VARCHAR(20))

Contact Information
- phone (VARCHAR(20))

Experiences and Activities
- activity_id {ID} (INT)
- description (LONGTEXT)
- availability (BOOLEAN)
- group size (SMALLINT)
- instructor_no

Member Address
- street (MEDIUMTEXT)
- house number (INT)
- member_id (INT)
- zip code (VARCHAR(10))

City
- zip code {ID} (VARCHAR(10))
- cityname (MEDIUMTEXT)
- country (ENUM(Afghanistan,... Zypern))

Instructor
- instructor_no {ID} (INT)
- first name (TINYTEXT)
- last name (TINYTEXT)
- email (VARCHAR(50))

Coupons
- coupons_id {ID} (INT)
- description (VARCHAR)
- amount (DECIMAL)
- expiry date (DATE)
- redeemed (BOOLEAN)

Social Media
- member_id (INT)
- Instagram_url (VARCHAR)
- Facebook_url (VARCHAR)

Payment Methods
- paypal_email (VARCHAR(50))
- paypal_verification (BOOLEAN)
- credit_card_no (VARCHAR(20))
- credit_card_verification (BOOLEAN)

Bookings
- booking_id {ID} (INT)
- start date (DATE)
- end date (DATE)
- price per night (DECIMAL)
- price total (DECIMAL)
- accommodation_id (INT)
- invoice_id (INT)

Invoice
- invoice_id {ID} (INT)
- booking_id (INT)
- coupons_id (INT)
- payable amount (DECIMAL)
- payment date (DATE)
- invoice_payed (BOOLEAN)

Payments to Hosts
- invoice_id (INT)
- host_id (INT)
- payable amount to host (DECIMAL)

Host
- host_id {ID} (INT)
- member_id (INT)

Cancellations
- invoice_id (INT)
- booking_id (INT)
- refund (DECIMAL)

Accommodation
- accommodation_id {ID} (INT)
- host_id (INT)
- description (LONGTEXT)
- number of guests possible (SMALLINT(20))
- price per night (DECIMAL)
- availability (BOOLEAN)

Accommodation Address
- street (MEDIUMTEXT)
- house number (SMALLINT)
- accommodation_id (INT)
- zip code (VARCHAR(10))

Equipment Features
- accommodation_id (INT)
- home_type (ENUM(House, apartment, mobile home, vacation home, houseboat))
- room_type (ENUM(whole accommodation, own room, shared room)
- has_tv (BOOLEAN)
- has_kitchen (BOOLEAN)
- has_heating (BOOLEAN)
- has_internet (BOOLEAN)
- has_aircon (BOOLEAN)
- total_bedrooms (INT(30))
- total_bathrooms (INT(30))

Pictures
- picture_id {ID} (INT)
- accommodation_id (INT)
- file name (MEDIUMTEXT)
- storage location (MEDIUMTEXT)
- alt_text (MEDIUMTEXT)

Ratings
- rating (INT(5))
- comment (VARCHAR)
- rating_given_by (member_id (INT))
- rating_for (accommodation_id (INT))
- belonging_to (host_id (INT))

Relationship cardinalities: 1, 1..*, 0..*, 0..1