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| --- |
| **Users** (username, password, email, address, name, bDay, has\_subscription, balance, /age, salt)  **PK:** username  **AK:** email  **Derived**: age = **EXTRACT** (**YEAR FROM AGE** (bday)) |
| **Games** (id, name, producer, console, /rented, review\_count, review\_sum, /review\_avg, esrb, date\_added)  **PK:** id  **Derived:** rented = **Rental**(rented)  **Derived**: review\_avg = review\_sum / review\_count |
| **Rentals** (id, game\_id, username, date\_rented, date\_returned, rental\_length\_allowed, /days\_left, /active, /overdue)  **PK:** id  **FK:** game\_id **REF** **Games**(id)  **FK:** username **REF** **Users**(username)  **Derived:** days\_left = rental\_length\_allowed - (**CURRENT\_DATE** – date\_rented)  **Derived:** active = date\_rented **IS NOT NULL** **AND** date\_returned **IS NULL**  **Derived:** overdue = **CURRENT\_DATE** > (date\_rented + rental\_length\_allowed) |
| **Transactions** (id, username, action, date)  **PK:** id  **FK:** username **REF** **Users**(username) |