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**APPLICATION DESCRIPTION**

For assignment 2, we have changed the concept of assignment 1. We add two tables (customers and rentals) and changed a little bit about the table movies.

For **movies** table, it has the columns: movieID; title; releaseDate; inventoryAmount. And the chosen field is ***inventoryAmount***.

We split the movies table to three tables: movies, inventoryAmount, movie\_amount.

Table **movies** has the columns: movieID; title; director; releaseDate.

Table **inventoryAmount** has the columns: countID; amount.

Table **movie\_amount** has the columns: movieID; countID; starttime; endtime.

For **customers** table, it has the columns: customerID; name; email; points. And the chosen field is ***points***.

We split the customers table to three tables: customers; points, customer\_points.

Table **customers** has the columns: customerID; name; email.

Table **points** has the columns: pointID; points.

Table **customer\_point** has the columns: customerID; pointID; starttime; endtime.

For rentals table, it has the columns: rentalID; customerID; movieID; returnDate; rentalDate. And the chosen table is ***rentalDate***.

We split the rentals table to three tables: rentals, rentalDate, rental\_Record.

Table **rentals** has the columns: rentalID; customerID; movieID; returnDate.

Table **rentaldate** has the columns: rentaldateID; rentaldate.

Table **rental\_record** has the columns: rental\_record; rentalid; rentaldateid; starttime; endtime.

We build views for tables movies, customers, rentals and create triggers for these views. Then user could add, delete or update records and restore the modifications into the historical tables which are movie\_amount, customer\_point, rental\_record.