DBI Protokoll – Elias, Rasti

Content:

* Workplan
* Setup
* Triggers
* Use Cases + Tests
* Log Table

Working Plan

Tables der DB; Rasti, Elias

Logging Table + Logging trigger; Rasti

Other 2 triggers - Elias

Tests; Rasti

User setup, inserts - Elias

Use case 1 - 10; Elias

Use case 11, 12; Rasti

Documentation; Rasti + Elias

SETUP:

* Open the setup folder
* Execute the user.sql file as admin of your oracle sql database
* Connect to the newly created user:
  + Username: casino
  + Password: oracle
* Execute the table.sql as the casino user
* Execute the inserts.sql as the casino user

The drop.sql file is there if all tables need to be dropped

* Get back into the project\_2025 folder
* Execute the log\_trg.sql file as casino user
* Execute the trigger.sql file as casino user
* Go into the package folder
* Execute all the following sql files
  + Customer.sql
  + Game.sql
  + Game\_session.sql
  + Personal.sql
  + Reports.sql
  + Table.sql

The Database should be setup now.

Use Cases:

Customer Use Case 1, 2, 3, 4 (Register New Customer, Get Customer Balance, Update Customer Info, Get Customer Game History):

A screenshot of a computer program

AI-generated content may be incorrect.

In the package folder in the customer.sql file there is the package for the first 4 use cases. The 4 public use cases are defined in the package.

In the body of the package there is the corresponding code and the private helper functions which are needed.

Use Case 1 (Register New Customer):

A screen shot of a computer

AI-generated content may be incorrect.

Uses helper functions

* Get default money and validate age

A computer screen shot of a program

AI-generated content may be incorrect.

Test for use case 1:

All the tests for the packages are in the package test folder and in the corresponding file.

A screenshot of a computer

AI-generated content may be incorrect.

No data with the svz

A computer screen shot of a computer code

AI-generated content may be incorrect.

After execution:

A screenshot of a computer

AI-generated content may be incorrect.

Use Case 2 (Get Customer Balance):

A screen shot of a computer program

AI-generated content may be incorrect.

Helper function:   
A computer screen shot of a program

AI-generated content may be incorrect.

Test for use case 2:

A screen shot of a computer code

AI-generated content may be incorrect.

Prints out the customers balance in this case the one of the created customer

A screenshot of a computer program

AI-generated content may be incorrect.

Use Case 3 (Update Customer Info):

A screen shot of a computer

AI-generated content may be incorrect.

Helper functions (same as the ones before):

* Get customer id by svz
* Validate age

Test for use case 3:

A computer screen shot of a code

AI-generated content may be incorrect.

After execution:

A screenshot of a computer

AI-generated content may be incorrect.

Use Case 4 (Get Customer Game History):

A computer screen shot of a program

AI-generated content may be incorrect.

Helper function:

* Get customer id by svz

Test for use case 4:

A computer screen with text and images

AI-generated content may be incorrect.

Because there are no records of our newly created user the user with the svz C015 is used.

All the played games get printed:

A screenshot of a computer program

AI-generated content may be incorrect.

Game Use Case 5 (Add new Game):

A screen shot of a computer

AI-generated content may be incorrect.

A computer screen shot of a program code

AI-generated content may be incorrect.

Use Case 5 (Add New Game):

A computer screen shot of a program code

AI-generated content may be incorrect.

Test for use case 5:

Games with blackjack before:

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

After execution:

A screenshot of a computer

AI-generated content may be incorrect.

Personal Use Case 6,7 (add personal contract, get the personal of a table):

A screen shot of a computer program

AI-generated content may be incorrect.

Use case 6 (add personal contract):

A screen shot of a computer program

AI-generated content may be incorrect.

Helper function:

A computer screen shot of a code

AI-generated content may be incorrect.

Test for use case 6:

Before execution:

A screenshot of a computer

AI-generated content may be incorrect.

A screen shot of a computer code

AI-generated content may be incorrect.

After execution:

A screenshot of a computer

AI-generated content may be incorrect.

Use Case 7 (get the personal of a table):

A computer screen shot of a program

AI-generated content may be incorrect.

Helper function:

A computer screen with text

AI-generated content may be incorrect.

Test for use case 7:

A screen shot of a computer program

AI-generated content may be incorrect.

A computer screen shot of text

AI-generated content may be incorrect.

Prints the personal which is on the table right now and the time:

A computer screen with text and numbers

AI-generated content may be incorrect.

Use Case 8 (Customer plays a game and wins or loses):

A screen shot of a computer program

AI-generated content may be incorrect.

A screen shot of a computer program

AI-generated content may be incorrect.

Helper functions:

A computer screen with text

AI-generated content may be incorrect.

Test for use case 8:

A screen shot of a computer

AI-generated content may be incorrect.

After execution:

Game gets added in game history table:



+

A screenshot of a computer

AI-generated content may be incorrect.

A trigger auto updates the money of the customer:

A screen shot of a computer

AI-generated content may be incorrect.

Use Case 9, 10 (make a daily report of the people who played today and the total sum they made, return the money of all customers in descending order):

A computer screen shot of a program

AI-generated content may be incorrect.

Use Case 9 (make a daily report of the people who played today and the total sum they made):

The sql errors are only shown in the script even though they are not really there

A computer screen shot of a program

AI-generated content may be incorrect.

Test for use case 9:

A screenshot of a computer program

AI-generated content may be incorrect.

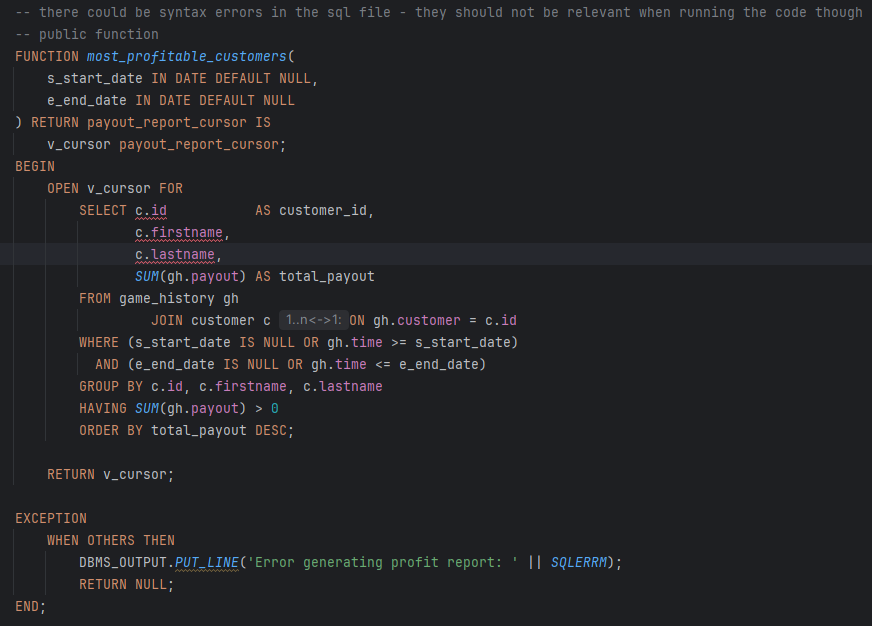
Alle ergebnisse werden ausgeprinted

A screen shot of a computer

AI-generated content may be incorrect.

Dieser customer hat heute nur gespielt und insgesamt 300€ dazugewonnen

Use Case 10 (return the money of all customers in descending order):



Test for use Case 10:

A screen shot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

Alle customers mit positive payout werden ausgegeben.

Use Case 11,12 (assign a game to a table, assign personal to a table for a time):

A screen shot of a computer program

AI-generated content may be incorrect.

Use Case 11 (assign a game to a table):

A screen shot of a computer program

AI-generated content may be incorrect.

Test for use case 11:

All bevore:

A screenshot of a computer

AI-generated content may be incorrect.

A screen shot of a computer program

AI-generated content may be incorrect.

After execution:

A screenshot of a computer

AI-generated content may be incorrect.

Use Case 12 (assign personal to a table for a time):

A screen shot of a computer program

AI-generated content may be incorrect.  
A screen shot of a computer program

AI-generated content may be incorrect.

Helper functions:

A computer screen shot of text

AI-generated content may be incorrect.

Test for use case 12:

Before execution:

A screenshot of a computer

AI-generated content may be incorrect.

A computer screen shot of a program

AI-generated content may be incorrect.

After execution:

A screenshot of a computer

AI-generated content may be incorrect.

LOG TABLE:

Also there is a log table which captures all actions (the trigger was added during the tests so there is not everything there)

A screenshot of a computer

AI-generated content may be incorrect.

it loggs the actions on the tables with this schema

Script is to long to copy here. It can be found in the log\_trg.sql file.

For the tests there are also testpackages available for everything besides the normal tests.