

ESD (Employability Skills Development) FA-1

Title:

Design database with 2 tables at least having 5 columns minimum for the project allocated – Expense Tracker App

Tools: Microsoft Word, PhpMyAdmin

Screenshot:

Database Design

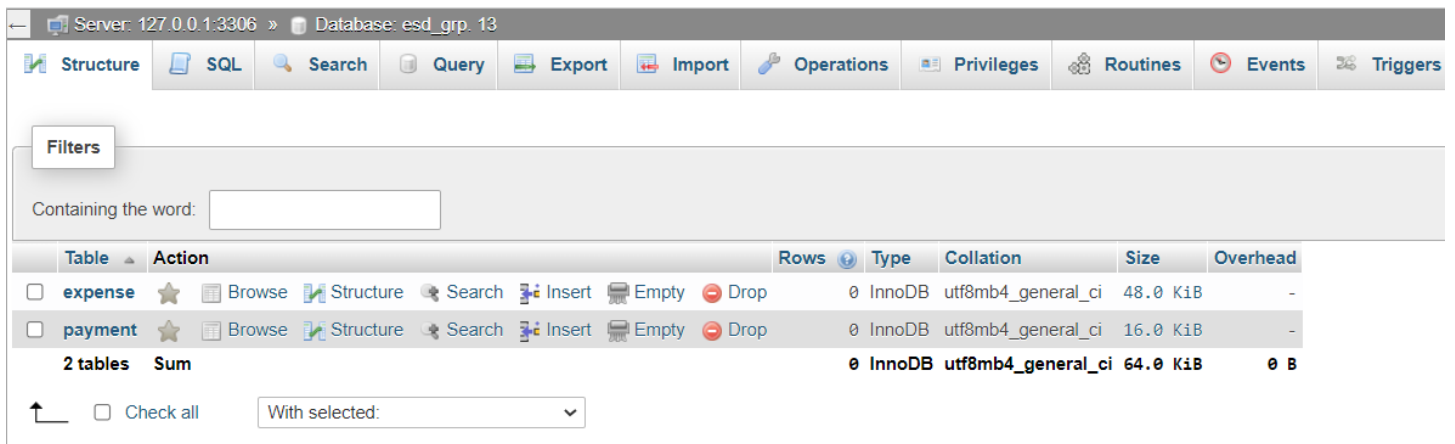
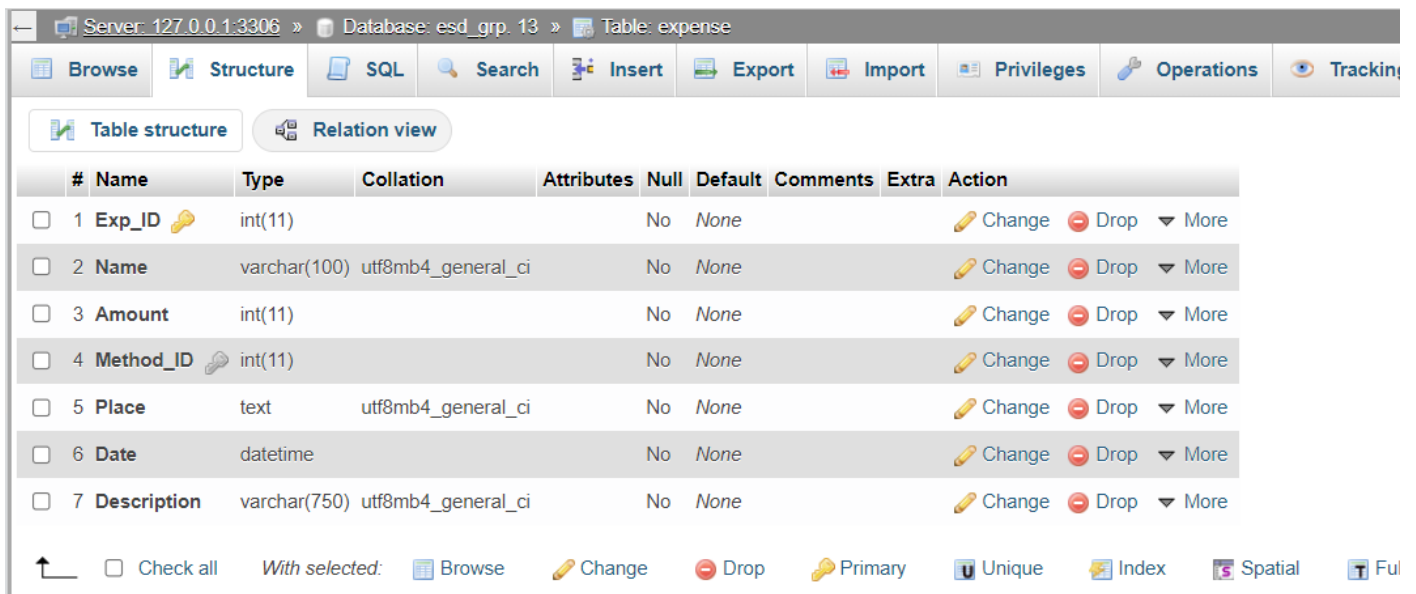


Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> expense	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> payment	Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	16.0 KiB	-
2 tables	Sum	0	InnoDB	utf8mb4_general_ci	64.0 KiB	0 B

Table 1: Expense



#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	Exp_ID	int(11)			No	None			Change Drop More
<input type="checkbox"/> 2	Name	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	Amount	int(11)			No	None			Change Drop More
<input type="checkbox"/> 4	Method_ID	int(11)			No	None			Change Drop More
<input type="checkbox"/> 5	Place	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	Date	datetime			No	None			Change Drop More
<input type="checkbox"/> 7	Description	varchar(750)	utf8mb4_general_ci		No	None			Change Drop More

Table 2: Payment

Server: 127.0.0.1:3306 » Database: esd_grp. 13 » Table: payment

[Browse](#)
[Structure](#)
[SQL](#)
[Search](#)
[Insert](#)
[Export](#)
[Import](#)
[Privileges](#)
[Operations](#)
[Trac](#)

[Table structure](#)
[Relation view](#)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	Method_ID	int(11)			No	None			Change Drop More
<input type="checkbox"/> 2	Mode	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	Description	varchar(355)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	Pay_Time	datetime			No	None			Change Drop More
<input type="checkbox"/> 5	Branch_Name	varchar(400)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	Shop	varchar(500)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 7	Receipt_ID	double			No	None			Change Drop More

☐ Check all
 With selected:
 [Browse](#)
[Change](#)
[Drop](#)
[Primary](#)
[Unique](#)
[Index](#)
[Spatial](#)

So, for our project that is Expense Tracker App we have designed a database with the name 'esd_grp. 13' This database design allows for tracking detailed information about each expense, including the name of the purchased item it belongs to, the payment method used, and the shop or mall where the expense was made. Flexibility for adding, updating, and removing is provided via the foreign key relationship with the payment table. This table stores the information such as the date of the expense made along with the creation and update of the timestamps. It also contains a breakdown of the cost as well as any further remarks or observations. Overall, the expense table lays the groundwork for all reporting and analysis of the user's spending patterns, making it a crucial component.

The Payment table stores information about the different payment modes used by the user, including an Method_ID, the user who created the payment mode, the name and description of the mode, the bank account through which the transaction is made, and the creation and update timestamps. Information about the various payment methods that a user can use to make costs would be kept in the Payment Mode table. In addition to allowing the app to give insights and data on which payment methods are most commonly used and how much money is spent using each one, this can assist users rapidly recognize and choose the right payment option when making an expense.