

<b>R · I · T</b>	<b>Rochester Institute of Technology</b> <b>Golisano College of Computing and Information Sciences</b> <b>School of Information</b>
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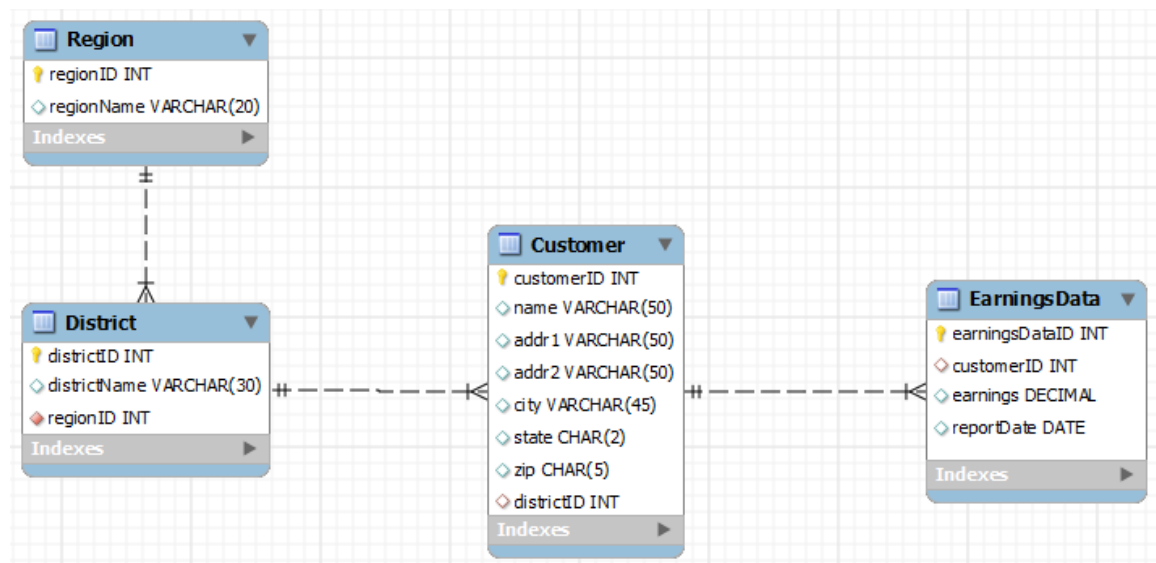
## Data Warehousing PE07: Aggregations

### Overview

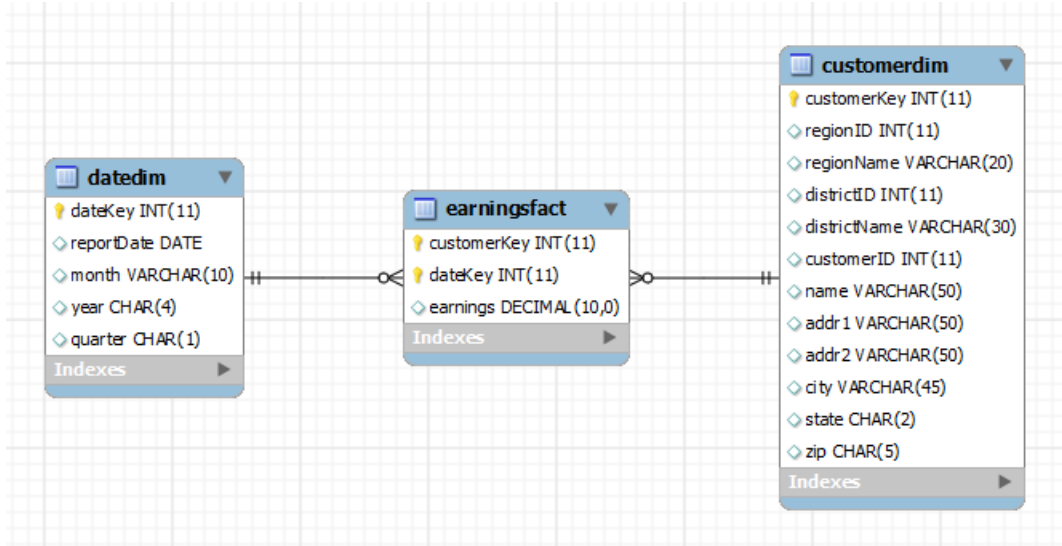
In this **team** exercise, you will have an opportunity to formulate different types of aggregations in a data warehouse.

### Scenario

Our research company has an OLTP system to collect earnings data on customers. The following ERD shows the layout of the database:



From this database, the following ERD for the data mart was developed.



Download PE\_Earnings.sql from MyCoursees to create PE\_Earnings data mart. Using the aggregation methods described in the lecture, design two different aggregate data marts: fact tables and their associated dimensions. One member of each team should submit the solutions to dropbox.

Requirements:

- 1) ERD (screenshot of MySQL workbench) for each aggregate data mart
- 2) Specify the method you used for each aggregate fact table
- 3) Describe types of summary queries you can generate from each data mart
- 4) Run a sample query from each data mart
- 5) Submit a dump file to create populated two data marts
- 6) Submit a word/pdf file of 1), 2), 3) & 4).
- 7) Each member submits the Peer Evaluation form

***Be prepared to discuss what you discovered about these queries next class.***

## DW PE07 Grade Sheet

Team # \_\_\_\_\_ Names: \_\_\_\_\_

Graded by Team # \_\_\_\_\_ Names: \_\_\_\_\_

**If the Dump file doesn't create a populated DB, No credits for the PE.**

	Max Pts.	Pts. Earned	Comments
<b>Data Mart #1</b>			
ERD	10		
Aggregation Method Applied	10		
Types of Summary Queries	10		
A query example	10		
<b>Data Mart #2</b>			
ERD	10		
Aggregation Method Applied	10		
Types of Summary Queries	10		
A query example	10		
No Hard Copy Printouts	-30		
<b>TOTAL</b>	<b>80</b>		