

R · I · T	Rochester Institute of Technology Golisano College of Computing and Information Sciences School of Infotmation
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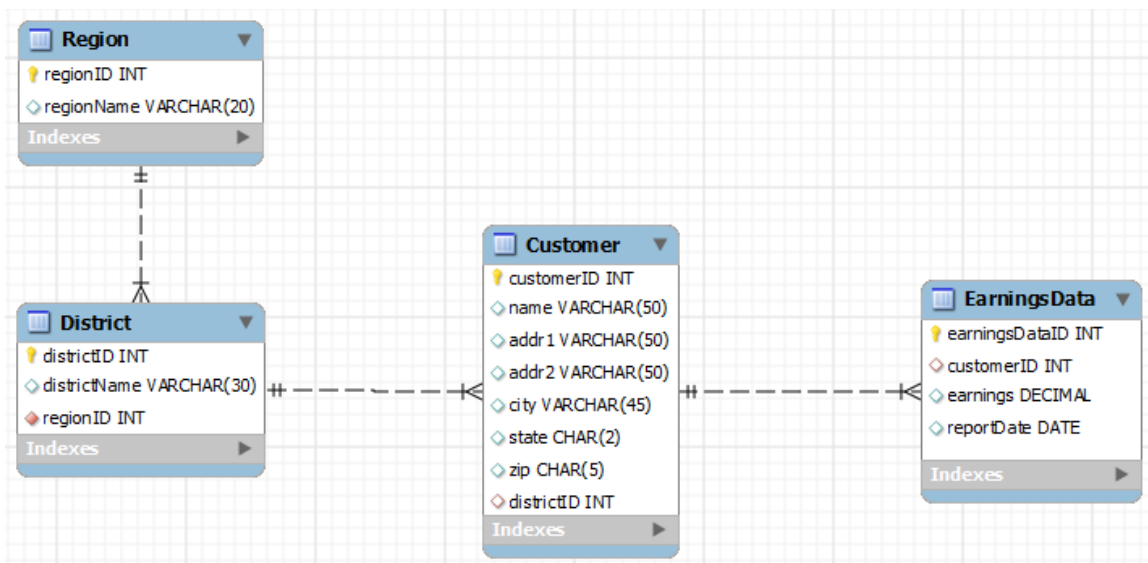
Data Warehousing PE07: Aggregations

Overview

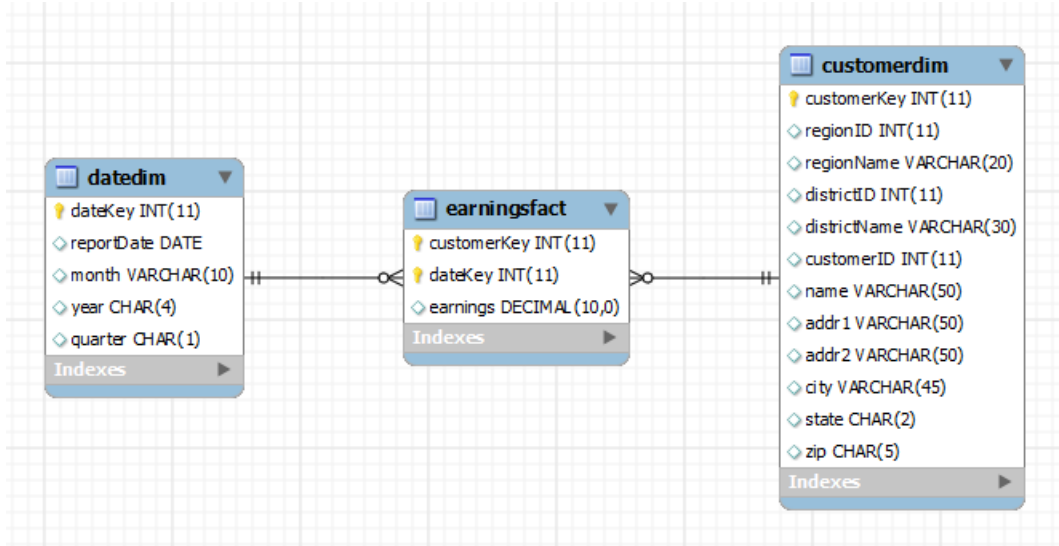
In this **team** exercise you will have an opportunity to formulate different types of aggregations in a data warehouse.

Scenario

Our research company has an OLTP system to collect earnings data on customers. The following ERD shows that 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 separate types of aggregate data marts: fact tables and their associated dimensions. One member of each team should submit the solutions to the dropbox.

Requirements:

- 1) ERD (screen shot 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 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 Dump file doesn't create a populated DB, No credits for the PE.

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