




SACRAMENTO
STATE




Account




Dashboard




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Assignment 1

Due Feb 4 by 11:59pm

Points 100

Submitting a file upload

File Types pdf

Available until Feb 6 at 11:59pm

This assignment was locked Feb 6 at 11:59pm.

Draw an ER diagram that reflects the following user requirements. You may draw the diagram with any tools that you prefer — Visio is available in most ECS labs. Hand drawn diagrams will be accepted if they are clear and legible. Diagrams must be submitted to Canvas as a PDF. Submissions that can not be opened will receive zero points. Be sure to list any assumptions for your diagram.

You have collected the following user requirements for a paint store database:

- Customers have a first and last name, and are uniquely identified by their customer id or by address, which contains a street, city, state, and zip. Customers may have more than one phone number.
- Contractors have a unique business name and can have multiple phone numbers. They also receive a discount which must be recorded.
- Customers may hire contractors for a certain number of hours, which needs to be recorded. Which room a customer is painting gets tracked. The room name is unique for that customer. If the customer is deleted you do not need to track that room any more.
- Paint colors are uniquely identified by a combination of the paint manufacturer and the color ID. Paint colors also have a name, but different manufacturers may use the same color name. Rooms must have at least one paint color.
- Customers may have a rewards card, which has an ID and the total points earned. Cards can be made in advance of being assigned to a customer.

Submission

✓ Submitted!

Feb 4 at 10:20pm

[Submission Details](#)

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[RONGGUANGOU_ASSIGNMENT1.pdf](#)

Grade: 97 (100 pts possible)

Graded Anonymously: no

Comments:

For paint, manufacturer is a single-valued attribute. "Customers may hire contractors" implies an N:M cardinality. Otherwise nice job!

Kathleen Applebaum, Feb 8 at 9:30pm