Hannah Sadikovic, Rachel Justus, Paige Hensley

Homework 3

October 14, 2021

Directions: Convert EER Diagram in Figure 4-40 to a relational schema, where all the relations in the 3rd normal form.

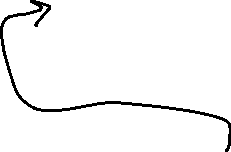
![Diagram

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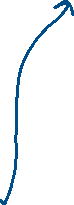
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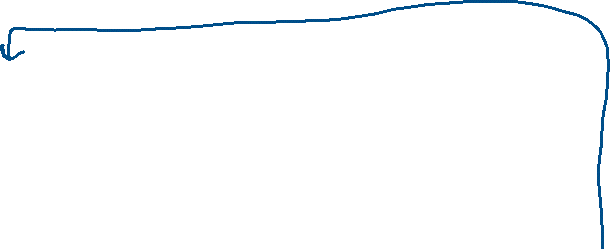
DISH



|  |  |  |
| --- | --- | --- |
| DishID | DishName | PrepTime |



EVENT



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| --- | --- | --- | --- | --- |
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(foreign key)

STAFF

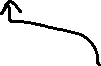


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| EmpID | Name | Salary | EmpID |

(unary)



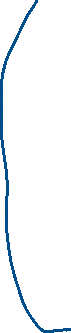
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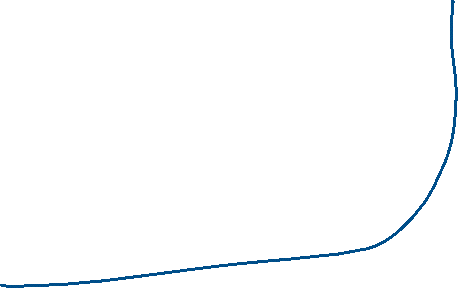
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INGREDIENT



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| IngredientID | IngredientDescription |

🡪 from the multivalued attribute

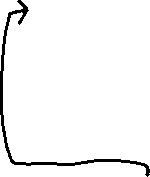
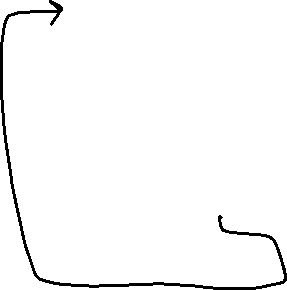


SKILL

|  |  |
| --- | --- |
| SkillID | SkillDescription |

🡪 from the multivalued attribute

Key Tables:



|  |  |
| --- | --- |
| MenuID | DishID |

(M:N)

|  |  |  |
| --- | --- | --- |
| DishID | IngredientID | IngredientAmount |

|  |  |
| --- | --- |
| EmpID | SkillID |