

Entity-Relationship Diagram Insurance Company

Objectives

- Identify the entities, interrelationships and correct cardinalities of them in a specific scenario.
- Draw the ERD of a specific scenario using the notation explained in class.

Introduction

Draw the ERD of an insurance company that it wants to computerize its processes, which are currently still in paper format following the next requirements:

Requirements

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| RQ1 | The company has clients. The clients information needed is: <ul style="list-style-type: none">• their DNI,• their name and surname,• their address,• one or more telephones (home, mobile, work ...) |
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| RQ2 | The company sells insurance policies. Each policy has: <ul style="list-style-type: none">• a policy number• a type: life, car or home• a price• a type of payment: monthly, semi-annual or annual. |
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| RQ3 | Each insurance policy must be linked with a client. |
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| RQ4 | Each policy associated with a client: <ul style="list-style-type: none">• a contract date,• a start date,• an end date |
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| RQ5 | The company has many branches. Branches have a branch manager and several agents. |
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| RQ6 | An agent is associated with a single branch. |
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| RQ7 | The managers and agents information needed is: <ul style="list-style-type: none">• their DNI,• their name and surname,• their account number to receive their payroll,• their address,• their mobile phone. |
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RQ8	The company also wants to have registered the policies that each agent sells, and the policies that each branch has associated.
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RQ9	The number of insurance policies sold by each agent is frequently queried in many processes.
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