

UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica

CORSO DI LAUREA MAGISTRALE IN INFORMATICA (ASE)

Insegnamento Model Driven Engineering

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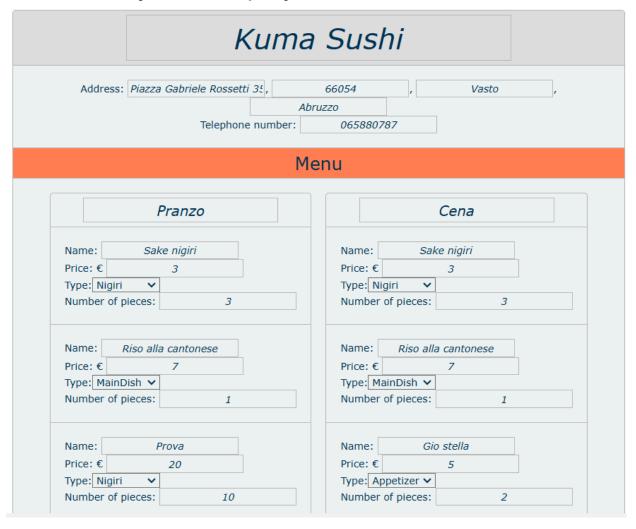
Concrete Syntax Definition

The concrete syntax of a language is the set of notations and rules that defines how the functionalities of the program will be presented, and how the user can interact with them to create a final product.

The syntax defined for the Restaurant Metamodel is made up of the following:

- RestaurantView: it's the container that displays all the information of a restaurant
 entity like the name, the address, the telephone number. Contained in this view are
 the rest of the other references present in a restaurant entity like the menus,
 employees, owners and the various rooms like dining rooms, kitchens and
 bathrooms.
- **DiningRoomView:** it's the container that displays all the information of a specific dining room of a restaurant, like the name and the tables associated with it. For each dining room it's possibile to add a new table or remove it. For each table present, it's possible to update the unique number and the number of seats.
- **BathroomView:** it's the container that displays all the information of a specific bathroom of a restaurant. For each bathroom it's possible to update the name, the target gender, the number of toilets available and the flag to specify if the bathroom is accessible to disabled people or not.
- **KitchenView:** it's the container that displays all the information of a specific kitchen of a restaurant. For each kitchen it's possible to update the name, the number of stoves available and the dimensions of the room, like the perimeter and the area.
- **EmployeeView:** it's the container that displays all the information of a specific employee of a restaurant. For each employee it's possible to update the name, the surname, the gender, the fiscal code, the birth date and place, its specific role in the associated restaurant, the contract sign and expiration date and, lastly, the salary.
- OwnerView: it's the container that displays all the information of a specific owner of
 the restaurant. It has the same functionalities of the EmployeeView but specifically
 made to work with the data of an owner.
- MenuView: it's the container that displays all the information of a specific menu available in the restaurant. For each menu it's possible to update the information relative to the list of courses that can be ordered, like the name of the course, the type, the price and the number of pieces.

Concrete Syntax Display

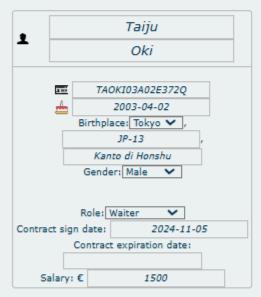


Owners





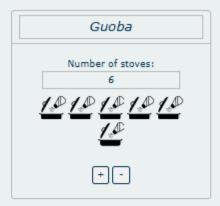
Employees







Kitchens





Bathrooms

