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Summary

Tourism is one of the profitable businesses in Iran, which has a lot of opportunities to grow due to the many attractions and people's welcome. In this research, a tourism tour system is designed with an emphasis on the information system to be a guide and framework for organizations that are active in this field or intend to enter it.

First, the system is defined in detail and then the requirements model is examined. The requirements model specifies what processes are needed to set up such a system. Important people in this model are the user, the website operator, the hotel, and the transport company.

In the next step, the process model is prepared from the user's point of view because all the other activities of organizations are based on the user's convenience. Then, the data model is designed in detail, which includes the relationship between all elements. The use case, which is an important part of the organization's processes and must specify the necessary information in each step, has been explained. Finally, to create a framework, system rules have been specified because, without these rules, the system does not work or becomes meaningless.
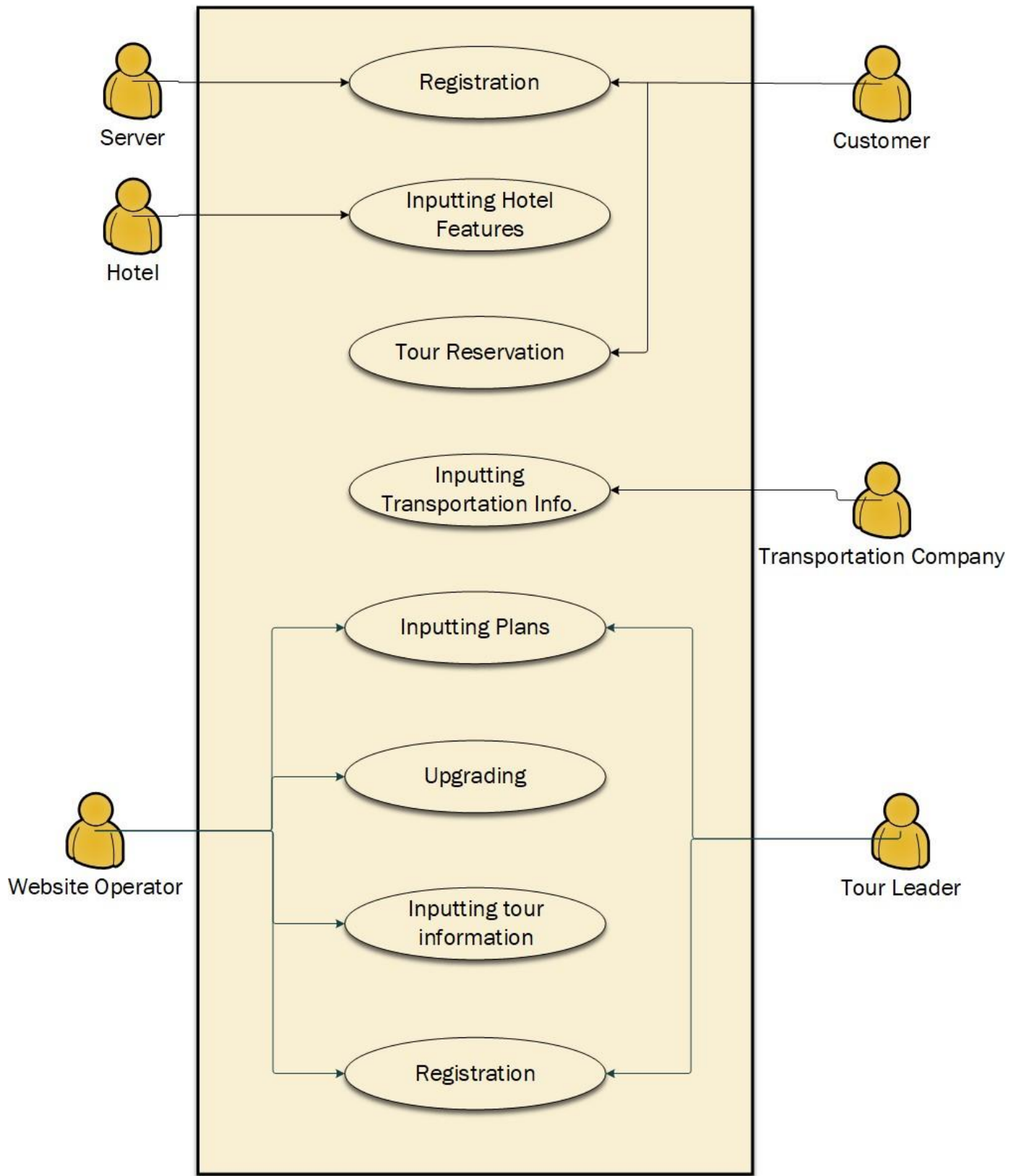
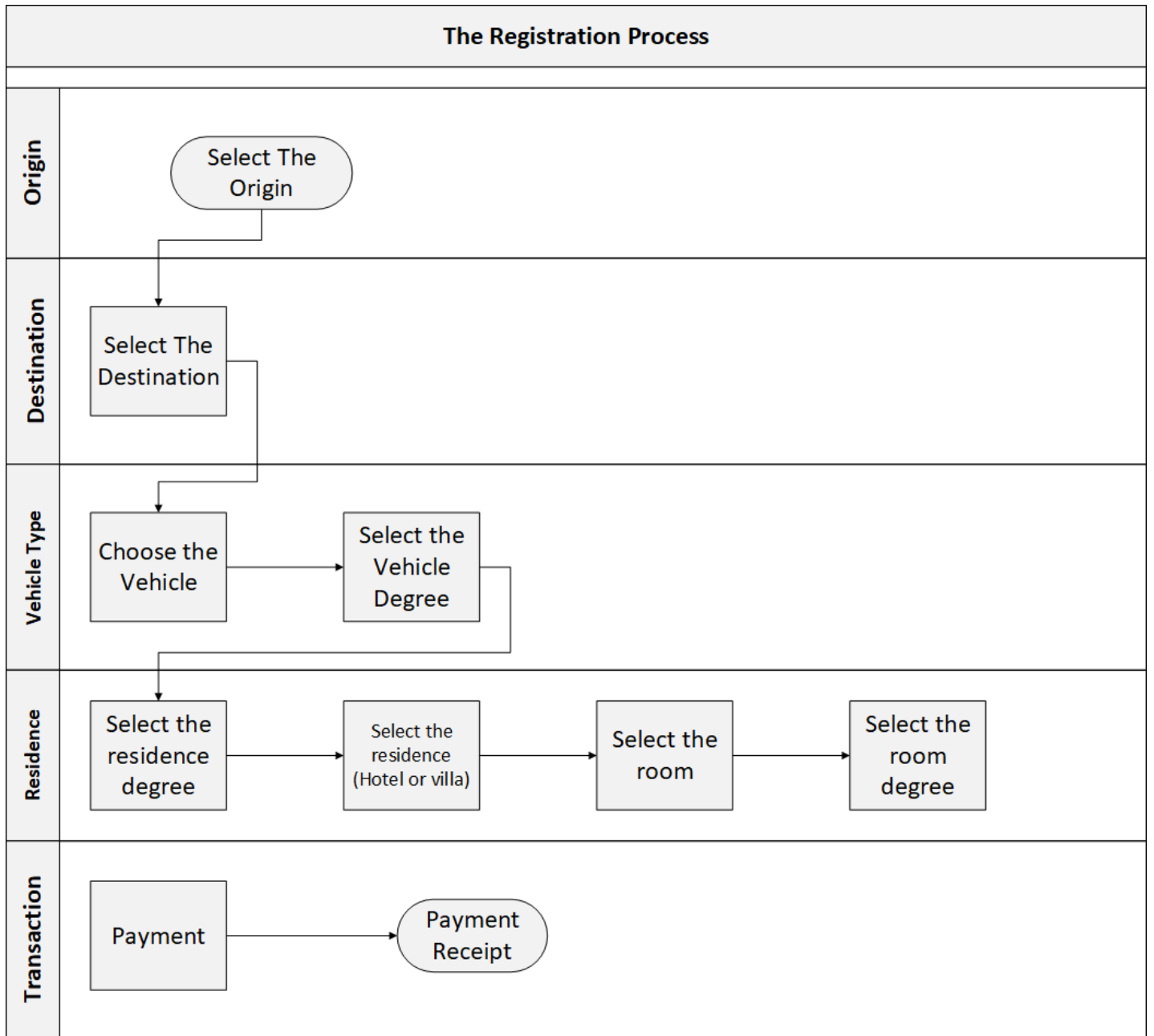# Requirements Model

Fig. 1- Requirements Model

Process Model
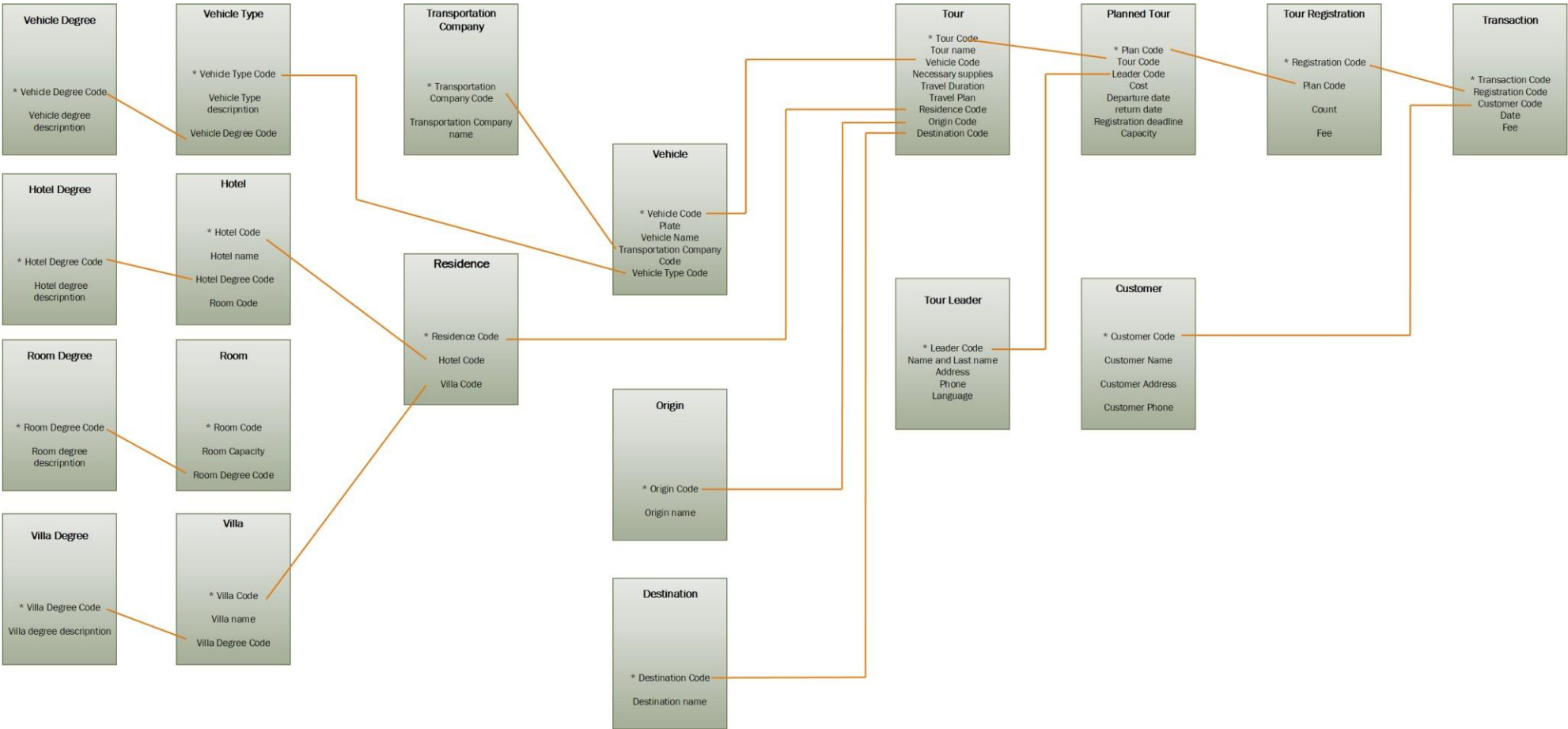

Fig. 2- Process Chart

Data model

Fig. 3- Data Modeling

Use Cases Description

Customer Registration
- Name and surname registration
- National code registration
- confirmation code registration
- Address registration
- phone number register
- Sheba code registration

Tour reservation by the customer
- Selecting the desired tour
- Inputting the number of people
- payment

Inputting the hotel features
- Inputting the type and number of each room
- Inputting the cleaning and meals catering plan

Inputting the transportation info. By the company
- Inputting the number and type of transportation vehicles
- Inputting the date and time of departure from the origin and arrival at the destination
- Inputting possible stop and rest plans on the way
- Inputting the catering plan during the trip

Inputting the leader's working plans
- Allocating the selected tours for each leader
- Checking the selected tour registration by the leader

Upgrading the website
- Deleting the old tours
- Editing the information on existing tours if necessary
- Special offers registration
- Additional information register

Leader Registration:
- Name and surname registration
- National code registration
- Address registration
- phone number register

Inputting Tour Information:
- tour name
- Necessary supplies
- Travel Plan
- Travel duration
- Origin and Destination
- Transportation vehicles
- Residence
- Registration fee
- Departure date
- return date
- Registration deadline
- Capacity