

1 There is a client-requirement document

1.1 (4) Represent the categories of the requirements that client-requirement document can be grouped

2.1 (22) Define every category by analyzing the following client-requirement document to design a software package of Tourist Company:

- a) The computer system should track the document flow of the company.
 - b) Software package must comply with corporate standards.
 - c) Control information must be supplied regularly for management
 - d) The windows XP operating system should be used
 - e) The software should provide the automation of the following activity of the Tourist Company.
 1. Reception of the booking for reservation of hotel
 2. Reception of the booking for Travelling
 3. Preparing a contract between customer and Tourist Company
 - f) Records of the following lists in a computer system are to be organized sequentially.
 1. Lists of the avia companies
 2. Lists of the hotels
 - g) The system should permit easy and efficient maintenance.
 - h) The clerk of the Tourist Company must log in to the system
 - i) Booking requests for travelling and hotels should be supplied weekly to manager
 - j) The design of software package should be accomplished in two years
 - k) The size of the database should be less than 2 gigabytes
- 2 (25 pts) Represent use case Diagram by using client-requirement Document Describes above (see question 1) Briefly make a description for every actor and cases
- 3 (25 pts) Represent format for description of use cases with typical and alternative course of events Explain every item of use case description. Make description of one of use case from question 2 Draw a use case diagram according to the description
- 4 (10 pts) Explain differences between "extend" and "include" relationships in use case diagram Refine some of your use case diagram from question 2 to implement these relationships. Briefly explain the implementation.
- 5 Represent diagrammatically the steps of Analysis of the User Requirements Document. Briefly describe every step.
- 6 Represent the characteristics of an Actor