


# Draft Only

## System Analysis and Design Project Assignment (25%-50%)

	<b>PROGRAM STUDI : Akuntansi</b> <b>FAKULTAS : Ekonomi dan Bisnis UNIVERSITAS ANDALAS</b>				
<b>MAJOR GROUP PROJECT ASSIGNMENT</b>					
<b>SUBJECT</b>	System Analysis and Design				
<b>CODE</b>	EKA304	<b>POINT</b>	3	<b>SEMESTER</b>	5
<b>LECTURES</b>	Amsal Djunid				
<b>PROJECT TITLE : Designing reservations and occupation system for hotel</b>					
<b>Learning Objectives</b>					
After doing the PROJECT students are expected to be: <ol style="list-style-type: none"><li>1. able to work in a team</li><li>2. having a good communication skill both oral and written</li><li>3. having strong character, attitude and integrity (<i>religious, nationalist, ethically and moral responsible, socially responsible, self-confidence, and independent</i>)</li><li>4. able to adapt current and future issues in information system technology</li><li>5. able to determine information requirements</li><li>6. able to design database</li><li>7. able to design information systems input and output</li><li>8. able to use the appropriate system development methodologies and techniques</li></ol>					
<b>Project Description</b>					
Data from initial data gathering The management of an hotel plans to develop computer systems for administration of guests, rooms and room reservation. The management expects the following information from the new systems: <ul style="list-style-type: none"><li>• current guests and their rooms</li><li>• unoccupied (empty) rooms every days</li><li>• reserved and available rooms for one year in the future</li><li>• the previous transactions with each guests</li><li>• check-in and check-out data for preparing invoices, and invoices are expected to be generated automatically.</li></ul> The management wants us to advise for others information needs. During your initial investigation you also get the letter from the police department required the hotel to report the foreign gests everyday. The report should contain name, nationality, passport number, check-in date. Additional information Every guest got ID Card with the unique number, the frequent guests gets discount and other souvenirs.					



	a. Conceptual Entity Model (ERD)																	
	b. Physical Database Model																	
	c. Design Database Tables																	
5.	Design the screen layout for input data,																	
	retrieve data and others																	
6.	Design reports and others output include ID Card or Discount Card for frequent guest																	
7.	Prepare List of hardware and software needs																	
8.	Prepare Time schedule for construction and implementation																	
9.	Develop the systems using the MS Access or other DBMS.																	
10	Report Preparation																	
11.	Class Presentation																	
<b>References and resources</b>																		

1. System Analysis and Design by Kendal and Kendal (K)(**compulsory**) 2. System Analysis and Design by Whitten etc. (W)
3. Information tools for an information Age by Capron and Johnson (C )
4. Database processing Fundamentals, Design, and implementations by Kroenkey (Kr)
5. Lecture Notes (LN) can be downloaded from [amsaldjunid.orgfree.com](http://amsaldjunid.orgfree.com)
6. Lecturing video  
<https://youtube.com/playlist?list=PLJs5uiq1HpizAcO0KVDI0FQ5tZMaQ6AkN>