

## Activity 1001. Define Draft Plan

### 1. Motivation

- 가

가 , 가 가 . 가 , .

### 2. Project Objectives

- 
- 

### 3. Functional Requirements

- 가 (id, password )

- 

- 

- 가

- 

- 

- 

- 

- 

- 

- id password

- password id

- ( , 가 , , )

- ( , , )

- , , , ,

- 

- ,

- 

- ( , , )

- 

-

#### 4. Non-Functional Requirements

- 5
- 가
- 

#### 5. Resource Estimation

- Human Efforts (Man-Month):
- Human Resource: 2
- Project Duration: 12
- Cost: 500

#### 6. Other Information

- Future Version

### Activity 1002. Preliminary Investigation Report

#### 1. Alternative Solutions

- 
- Airline Booking System

#### 2. Project Justification (Business Demands)

- 1) Cost :
- 2) Duration :
- 3) Risk :
- 4) Effect :

#### 3. Risk Management

Risk	Probability	Significance	Weight
First Adoption of OSP	4	4	16
Lack of Domain Knowledge	4	5	20
Lack of OO Experience	3	4	12
Lack of Tool Skill	3	3	9
Lack of JAVA	2	4	8
Lack of JSP	2	3	6
Lack of UML	2	4	8

Lack of DataBase	2	3	6
Team Communication	1	2	2

#### 4. Risk Reduction Plan

- First Adoption of OSP (16)
- Lack of Domain Knowledge (20)  
site
- Lack of OO Experience (12)
- Lack of Tool Skill (9)
- Lack of JAVA(8)
- Lack of JSP(6)
- Lack of UML(8)
- Lack of DataBase(6)
- Team Communication (4)

#### 5. Market Analysis

- 가 ,  
User

#### 6. Other Managerial Issues

- 2004 6 21

### Activity 1003. Define Requirements

#### 1. Functional Requirements (Version 0.9)

- 가 (id, password )  
- ID, Password, , , email, , ID

- - ID
- - 가
- - 가 , 00 5
- - 가 , 00 50
- - 가 , 00 100
- id password
  - id password
  - id password가
  - id password id password
- 가
  - , , , , , , , , 가
  -
- 가
  - , 가, , , ,
- - , , , , ,
- 가
  - ,
  - 
  -

- - 가
- - , ,
- - , ,
- -
- - OO 가

2. System Functions (Table)

Ref. #	Function	Category
R1.1.1	가	Evident
R1.1.2	ID	Evident
R1.2		Evident
R1.3		Evident
R2.1		Hidden
R2.2		Hidden
R2.3		Hidden
R2.4		Hidden
R3.1.1		Evident
R3.1.2	ID	Evident
R3.1.3		Evident
R3.2		Evident
R4.1.1	가	Hidden
R4.1.2		Hidden
R4.2.1	가	Hidden
R4.2.2		Hidden
R4.3.1	가	Frill
R4.3.2		Frill
R4.4.1	가	Frill
R4.4.2		Frill

R5.1		Evident
R5.2		Evident
R6.1		Evident
R6.2		Evident
R6.3		Evident
R6.4		Evident
R7.1.1		Frill
R7.1.2		Frill
R7.1.3		Frill
R7.1.4		Frill
R7.2.1		Frill
R7.2.2		Frill
R7.2.3		Frill
R7.2.4		Frill
R7.2.5		Frill
R8		Evident
R9		Hidden

### 3. Performance Requirements

- . ( 5 )

### 4. Operating Environments

- OS : Microsoft Windows 2000
- CPU : Pentium IV
- Memory : 256MB
- H.D.D : 40GB
- Browser : Explorer 5.5

### 5.

- Hardware
  - OS : Microsoft Windows xp
  - CPU : Pentium IV
- Software
  - DB : My Sql
  - Program Language : java, jsp, javascript, css, html

- Case : Rational Rose2000
- Editor : EditPlus
- Jakarta-tomcat, apache web server, JDK 1.4.1

7. Interface Requirements

- 가 .
- 

8. Other Requirements

- 

**Activity 1004. Record terms in Glossary**

Term	Description	Remarks
	OO 가 .	
	OO , .	
	가 .	
	가 , OO 5	
	가 , OO 50	
	가 , OO 100	

**Activity 1005. Implement Prototype**

## Activity 1006. Define Business Use-Cases

### Step 1. Define System Boundary



### Step 2. Identify and Describe Actors

- 

-

,

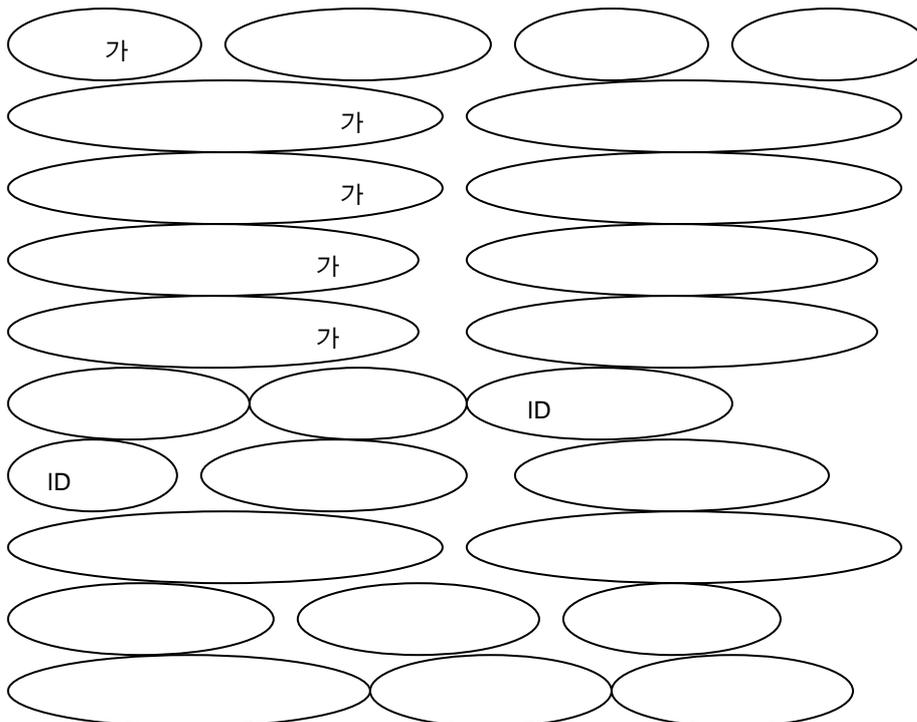
,

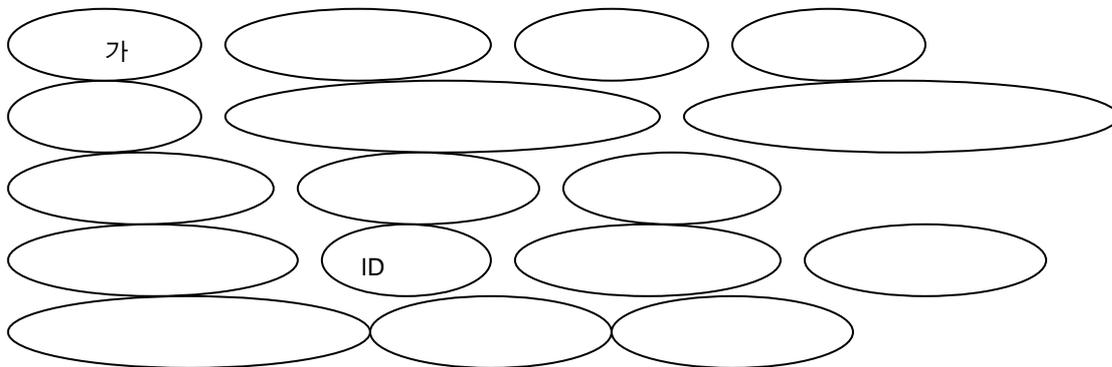
- 

-

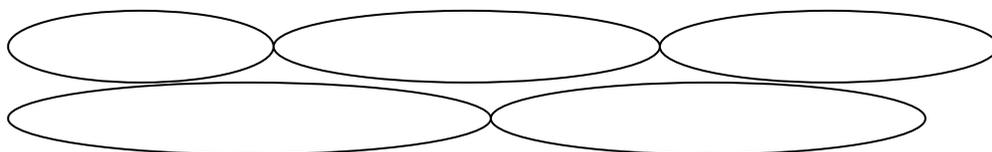
### Step 3. Identify Use-Case

#### Use-cases by actor-based





**Use-cases by event-based**



Step 4. Allocate system functions into Related Use-Cases.

Ref. #	Function	Remarks
R1.1.1	1. 가	
R1.1.2	2. ID	
R1.2	3.	
R1.3	4.	
R2.1	5.	
R2.2	6.	
R2.3	7.	
R2.4	8.	
R3.1.1	9.	
R3.1.2	10. ID	
R3.1.3	11.	
R3.2	12.	
R4.1.1	13. 가	
R4.1.2	14.	
R4.2.1	15. 가	
R4.2.2	16.	
R4.3.1	17. 가	

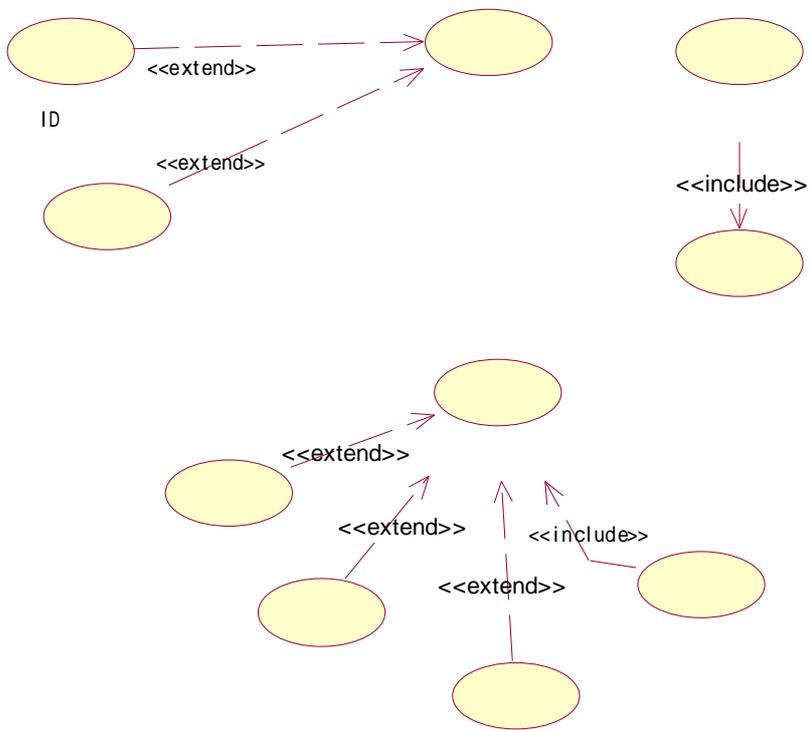
R4.3.2	18.	
R4.4.1	19. 가	
R4.4.2	20.	
R5.1	21.	
R5.2	22.	
R6.1	23.	
R6.2	24.	
R6.3	25.	
R6.4	26.	
R7.1.1	27.	
R7.1.2	28.	
R7.1.3	29.	
R7.1.4	30.	
R7.2.1	31.	
R7.2.2	32.	
R7.2.3	33.	
R7.2.4	34.	
R7.2.5	35.	
R8	36.	
R9	37.	

Step 5. Categorize Use -Cases.

Use -Case Number & Name	Category
1. 가	Primary
2. ID	Secondary
3.	Primary
4.	Primary
5.	Primary
6.	Secondary
7.	Secondary
8.	Secondary
9.	Primary
10. ID	Primary
11.	Primary

12.		Primary
13.	가	Primary
14.		Primary
15.	가	Primary
16.		Primary
17.	가	Optional
18.		Optional
19.	가	Optional
20.		Optional
21.		Primary
22.		Primary
23.		Primary
24.		Primary
25.		Primary
26.		Primary
27.		Optional
28.		Optional
29.		Optional
30.		Optional
31.		Optional
32.		Optional
33.		Optional
34.		Optional
35.		Optional
36.		Primary
37.		Primary

Step 6. Identify the relationships between Use-Case





Step 8. Describe Use-Case

- Name : 1. 가  
Actors : ,  
Description :
  - use case Airline Booking System  
가 .
  - Id, password, , , email , , .
  - 가 .
  - .
  - 가 가 .
- Name : 2. ID  
Actors : ,  
Description :
  - use case ID가 .
  - ID가 ID .
  - ID가 ID .
- Name : 3.  
Actors : ,  
Description :
  - password, email , , .
- Name : 4.  
Actors :  
Description :
  - use case .
  - ID password .
  - ID, password가 가 ID, password .
- Name : 5.  
Actors : ,  
Description :
  - use case 가 .
  - , .





- Name : 18.

Actors : ,

Description :

-

-

- Name : 19.

Actors : ,

Description :

- use case

가 가

- Name : 20.

Actors : ,

Description :

-

-

- Name : 21.

Actors : ,

Description :

-

-

- Name : 22.

Actors :

Description :

- use case

가

- Name : 23.

Actors : ,

Description :

- use case

- Name : 24.

Actors : ,

Description :

-

가

- Name : 25.
- Actors : none
- Description :

Step 9. Rank Use-Case

Rank	Use-Case Number & Name
High	1. 가
Medium	2. ID
Medium	3.
Medium	4.
High	5.
Medium	6.
Medium	7.
Medium	8.
High	9.
Medium	10. ID
Medium	11.
Medium	12.
High	13. 가
High	14.
High	15. 가
High	16.
Medium	17. 가
Medium	18.
Medium	19. 가
Medium	20.
High	21.
High	22.
High	23.
High	24.

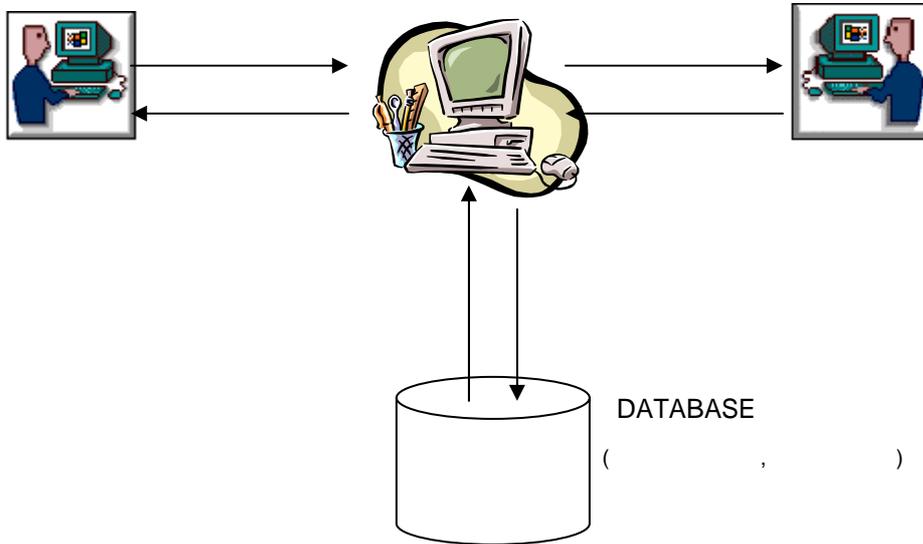
High	25.
High	26.
Medium	27.
Medium	28.
Medium	29.
Medium	30.
Medium	31.
Medium	32.
Medium	33.
Medium	34.
Medium	35.
High	36.
Medium	37.

**Activity 1007. Define Business Concept Model**

Identify 'Concepts' in domain.

		ID	Password	
	e-mail			
	가			

**Activity 1008. Define Draft System Architecture**



**Activity 1009. Refine Plan**

1. Project Scope

Airline Booking System  
 가 ,  
 가

Airline Booking System 가

Online Airline Booking

2. Project Objectives

Online Airline Booking System ,

3. Functional Requirements

- 가
- ID
- 
- 
- 
- 
- 
- 
- 
-



- OS : Microsoft Windows 2000
- CPU : Pentium IV
- Memory : 256MB
- H.D.D : 40GB
- Browser : Explorer 5.5

#### 6. User Interface Requirements

- Actor
- 
- 'Window - based'

#### 7. Other Requirements

- 
- 

#### 8. Resources

- Man Month : 2 People
  - Team Leader / Engineer / Document Manager
- Period : 12 Weeks
- Hardware
  - OS : Microsoft Windows XP
  - CPU : Pentium IV
- Software
  - DB : My Sql
  - Program Language : java, jsp, javascript, css, HTML
  - Case : Rational Rose2000
  - Editor : EditPlus
  - Jakarta-tomcat, apache web server

## 9. Scheduling

Phase(00x0)/Activity(000x)	Schedule(week)											
	1	2	3	4	5	6	7	8	9	10	11	12
1001. Define Draft Plan	—											
1002. Create Preliminary investigation Report	—											
1003. Define Requirements	—											
1004. Record Terms in Glossary	—											
1005. Implement Prototype	—	—										
1006. Define Use Cases		—										
1007. Define Draft Conceptual Model		—										
1008. Define Draft System Architecture		—										
1009. Refine Plan		—										
2010. Revise Plan			—									
2020. Synchronize Artifacts			—									
2030. Analyze			—									
2031. Define Essential Use Case				—								
2032. Refine Use Case Diagrams				—								
2033. Refine conceptual Model				—								
2034. Refine Glossary				—								
2035. Define System Sequence Diagrams				—								
2036. Define Operation Contracts				—								
2037. Define State Diagrams				—								
2040. Design												
2041. Define Real Use Cases						—						
2042. Define Reports, UI and Storyboards						—						
2043. Refine System Architecture						—						
2044. Define Interaction Class Diagrams						—						
2045. Define Design Class Diagrams						—						
2046. Define Database Schema						—						
2050. Construct												
2051. Implement Class & Interface Definition									—			
2052. Implement Methods									—			
2053. Implement Windows									—			
2054. Implement Reports									—			
2055. Implement DB Schema									—			
2056. Write Test Code									—			
2060. Test												
2061. Unit Testing												
2062. Integration Testing												
2063. System Testing												
2064. Performance Testing												
2065. Acceptance Testing												
2066. Documentation Testing												

## 10. Configuration Management

- 

가 ,

- 

UML - Project - Repository

## 11. Quality Assurance Plan

-