

## Lab 4: DB\_Project\_Assignment\_1-SRS

<b>Lab – 4</b> <b>03-Sep-2024</b>	<b>DB_Project_Assignment_1-SRS</b>
IT615 Database Management System, Autumn'2024; Instructor: minal_bhise@daaiict	

**Objectives:** I) Understand & Complete the Description of the Case Study/Problem Domain.

**Submission:** Each student needs to upload a single .pdf file which will contain the following things for the specific case study assigned to your group.

### 1. SRS

**Note:** A compulsory submission of things done during the 2 hrs of lab is required. Later you can upload a newer version of the required documents until the project work is being done.

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### 1. Create a single SRS document, which should have details given below.

#### a. Understand & Complete the Description of the Case Study/Problem Domain given to you (4-20 pages)

- i. Search online, Do the thinking and expand the problem domain for the short project description is given to you.
  1. Purpose
  2. Intended Audience and Reading Suggestions
  3. Product Scope (Refer – IEEE Template for more details)
  4. Description

#### b. Document the Requirements Collection/ Fact Finding Phase

Document the input and the output for the following requirements collection techniques:

##### i. Background Reading/s

1. Description of each reading done
  - a. It can be anything from a Book, Website, News, Videos...
2. References
  - a. List all the references in proper format.
3. List the combined Requirements gathered from Background Reading/s.

##### ii. Interview/s

1. Find the Template in Appendix A.
2. Do role-playing among your team members, family, or friends.

3. List the combined Requirements gathered from all Interview/s.
- iii. **Questionnaire/s**
  1. Find the Template in Appendix B.
  2. Create a Google form.
  3. Summary
    - a. Put Graphs & Short Answers received from Google forms.
  4. List the combined Requirements gathered from Response/s.
- iv. **Observation/s**
  1. Write Observations summary (list of observations).
  2. List the combined Requirements gathered from Observation/s.
- c. **Create Fact Finding Chart**
  - i. Refer to Fact Finding Chart Template in Appendix C.
- d. **List Requirements**
  - i. Combine all the Requirements gathered in **b.** Remove duplicate requirements by keeping the frequency(occurrences of specific requirements), so you can prioritize them.
- e. **User Classes and Characteristics**
  - i. List User Names with basic description of user role in the system/database
- f. **Operating Environment**
  - i. Hardware, Software or Connectivity Requirements
  - ii. External Interface Requirements
    1. Hardware/Software/Third party APIs & other things taken from other external sources.
- g. **Product Functions**
- h. **Privileges**
  - i. List Functions & Users who can access those modules.
- i. **Assumptions**
- j. **Business Constraints**

### Submission File naming

Version 1 must be submitted during Lab hours:

**GroupNo\_SRS\_V\_1\_03/09/2024.pdf**

Version 2 must be submitted before **7th Sept 2024, 06:00 PM:**

**GroupNo\_SRS\_V\_2\_07-Sept-2024.pdf**

**\*\*GroupNo example => "G1"**

## **APPENDIX: A**

### **ITSolutions: Interview Plan**

**System :** Season's Flavour

**Project Reference :** SF/SJ/2003/12

**Participants:** Anant Sharma ( Season's Flavour)  
Keshav Sharma ( Season's Flavour)  
Anil Joshi (ITSolutions)

**Date:** 14/8/2003   **Time :** 14:30

**Duration :** 45 minutes   **Place:** Anant's Office

**Purpose of Interview :**

Preliminary meeting to identify problems and requirements regarding security at the Season's Flavour site.

**Agenda :**

Problems with security and any other concerns  
Current security procedures  
Initial ideas  
Follow-up actions

**Documents to be brought to the interview :**

Rough plan of building  
Any documents relating to current security procedures

## **ITSolutions: Interview Summary**

**System :** Season's Flavour

**Project Reference :** SF/SJ/2003/12

**Participants:** Anant Sharma ( Season's Flavour)  
Keshav Sharma ( Season's Flavour)  
Anil Joshi (ITSolutions)

**Date:** 14/8/2003    **Time :** 14:30

**Duration :** 45 minutes    **Place:** Anant's Office

### **Purpose of Interview :**

Preliminary meeting to identify problems and requirements regarding security at the Season's Flavour site.

1. Very little security at present, both in building and on site
2. Lack of security on site appears to have allowed leaks about designs
3. Any new security measures must not offend staff
4. *(action: interview some staff members)*
5. Receptionist not in central position in entrance to the building (*Move receptionist's desk facing main entrance*)
6. Staff often needs to use cars during the day; problem finding a space when they get back
7. Not clear exactly how staff uses car park (*ask staff to fill in the questionnaire on car park usage*)
8. Car park frequently used by people not connected to the company
9. Two entrances to car park (*introduce one-way system; entrance to park via front only*)
10. No penalty for unauthorized parking
11. Impossible to tell if car park is full without driving round it
12. Further discussions needed when more information is available. (*arrange follow-up meeting with Anant and Keshav ( in about a week's time)*)

## APPENDIX : B

### **ITSolutions – Car Park Survey for Season's Flavour**

*Please circle your answers to the following questions:*

1. How many times a week do you use your car to get to and from work?  
Never / once / two or three times / every day / no regular pattern
2. Which car park entrance do you normally use to come into the car park?  
Main entrance / back entrance / either
3. Which car park entrance do you normally use to leave the car park?  
Main entrance / back entrance / either
4. How often do you need to use your car for work during the day?  
Never / once / two or three times / every day / no regular pattern
5. Do you have problems finding a space in the car park?  
Never / sometimes / frequently / always
6. If you have problems finding a space, when does this usually happen?  
At the start of the work / during the morning / lunchtime / during  
afternoon / at the end of the day / no regular pattern
7. Would you like to see some more security in the car park?  
Yes / no / don't mind
8. Please note any comments you have on current car parking system  
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9. Please note any suggestions for improving car parking at Season's  
Flavour  
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Your Name

Your Department

Thank you for completing this questionnaire

## APPENDIX: C

### Fact Finding Chart

Objective	Technique	Subject(s)	Time commitment
To get background on the company and the advertising industry	Background reading	Company reports, trade journals	0.5 day
To establish business objectives. Agree likely scope of new system. Check out involvement of non-UK offices	Interview	Two directors	2 x 1 hour each
To gain understanding of roles of each department. Check out line management and team structure in the Creative Department. To agree likely interviewees among staff	Interview	Department heads (only 1 account manager)	2 x 1 hour each
To find out how the core business operates	Interview	1 account manager 1 graphic designer 1 copy writer 1 editor	1.5 hours each
To follow up development of business understanding	Observation	2 creative staff	0.5 day each
To determine role of support/admin staff and relationship to core business	Interview	2 admin staff (based on experience with the company)	1.5 hours each
To establish what records and resources are kept	Interview/ document sampling	Filing clerk Resource librarian	2 x 1 hour each
To determine what use is made of current computer system. To determine functionality of current system	Interview	Computer manager	2 x 1 hour
To establish additional requirements for new system	Interview	2 account managers 3 staff from Creative Department	3 x 1 hour each
To establish accounting requirements for new system	Interview	Accountant Credit controller 1 purchasing assistant 1 accounts clerk	1.5 hours each