

**Faculty**

**of**

**Information**

**Technology**

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**STEM**

**ANALYSIS AND D**

**ESIGN**

**Fall**

**2021**

**Chapter 3 Determining Software Requirement**

**Part I. Requirement gathering**

1. You are developing a Human Resource Management software for your customer. You have to Interview groups of people with diverse needs to find synergies and contrasts among system requirements. Plan the interview for gather requirement with the following artifacts: Agenda, Checklist, Questions.

* Interviewee: Customers
* Location: Microsoft Teams (Online)
* Appointment Date: 01/10/2021
* Objectives: What data collect, what to gain agreement, what area to explore
* Agenda:
  + Introduction: 30 seconds
  + Background on Project: 3 minutes
  + Overview of Interview: 1 minute
  + Question: 5 minutes
  + Summary: 2 minutes
  + Feedback: 2 minutes
  + Closing: 30 seconds
* Checklist:
  + Attendance: Stakeholders, potential customers
  + Documents: Project, future plan, policy
* Questions:
  + About interface and function
  + About departments management
  + About position and role in system
  + About staff supervisor and data controller
  + About privacy policy and rules

1. Write a requirement specification for a function: Manage employee in organization.

* Main interface:
  + User-friendly management interface, easy to use
  + Full employee list and progress
* Search a person
  + Search by name
  + Search by ID
  + Search by department
  + Search by position
* View profile:
  + Employee Identification Number
  + Name
  + DOB
  + Gender
  + Position
  + Department
  + Address
  + Email
  + Phone number: Can be hide
* Edit profile:
  + DOB
  + Gender
  + Address
  + Email
  + Phone number
* Create/add new employee:
  + Employee Identification Number
  + Name
  + DOB
  + Gender
  + Position
  + Department
  + Address
  + Email
  + Phone number
* Delete/remove an employee
* Setting
* Read privacy policy and rules

**Part 2. Prototyping**

1. Use any tool (Word, Excel, Paint, Visio, Free online mockup / prototyping tools, etc.) to create prototype for above function: Manage employee.

Based on Manage employee in organization spec. above. After gathering requirements, the development team decides to have the following functionality:

* Manage Employee List: Employee table includes: ID (1,2, …), Employee Identification Number (1901040005 – for example), name, DOB, gender, address, email, phonenumber
* Manage Employee includes:
  + Allow user to enter new employee information
  + Allow user to view employee list
  + Allow user to edit existing employee information
  + Allow user to remove employee out of company.