

**CONFIDENTIAL**



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**SCHOOL OF COMPUTING**  
Faculty of Engineering

**UNIVERSITI TEKNOLOGI MALAYSIA**  
**FINAL EXAMINATION SEMESTER I, 2021/2022**

**ALTERNATIVE ASSESSMENT  
WORK-BASED LEARNING**

**SUBJECT CODE** : **SECP3723**  
**SUBJECT** : **SYSTEM DEVELOPMENT TECHNOLOGY**  
**DATE** :

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**INSTRUCTIONS** :

1. Please follow ALL system development requirements and submission requirements as stated in the next page

|                        |  |
|------------------------|--|
| <b>Name</b>            |  |
| <b>Matric Number</b>   |  |
| <b>Year/Programme</b>  |  |
| <b>Section</b>         |  |
| <b>Lecturer's Name</b> |  |

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**This question paper consists of TWO printed pages, excluding this page.**

## 1.0 PROJECT SCOPE

Design and develop a web-based system based on client requirements. The technical requirements as follows:

System: e-Recruitment / Quotation Management System

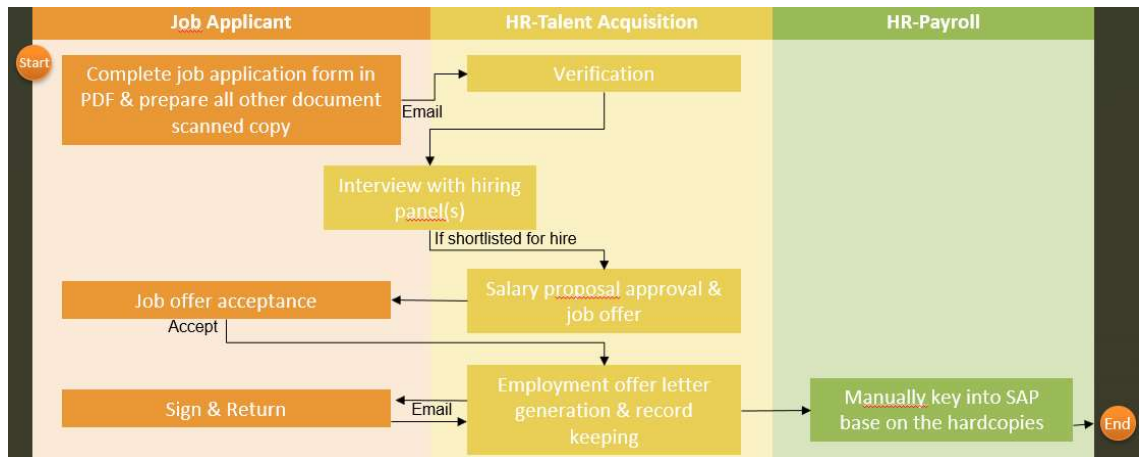
- a) Database : MySQL/Maria DB, minimum 3NF
- b) Interface : Bootstrap + CSS
- c) Client-side script : HTML4/5 + Javascript
- d) Server-side Script : PHP, SQL
- e) Security: Session, SQL injection prevention, hash password
- f) Hosting : Live system deployment at free or paid hosting
- g) System evaluation: Alpha testing and Beta testing
- h) User manual

## 2.0 SUBMISSION

- 1) Declaration page – individual contribution
- 2) Project Report:
  - i. Company/Client Background
  - ii. Problem Background
  - iii. Proposed Solution
  - iv. Development Approach
  - v. System Design (ERD, Use Case and Sequence Diagram)
  - vi. Development Software, Language, Technology, API and Tools
  - vii. Function/Module Explanation
  - viii. System Credentials (Hosting)
  - ix. Localhost Setup
  - x. System Interface for All Users
  - xi. Alpha and Beta Testing Reports
  - xii. UAT Reports
  - xiii. Gantt Chart
- 3) User manual
- 4) Presentation slides (use in handover ceremony)
- 5) Complete system files in localhost and live hosting setting

### 3.0 SYSTEM REQUIREMENTS

#### e-Recruitment



#### Quotation Management System

- 1) Users:
  - a) Employer
  - b) Employee
  - c) Customer
- 2) Modules:
  - a) Sign Up / Sign In
  - b) Manage quotation (CRUD)
  - c) Manage report
  - d) Manage user (CRUD)
  - e) Manage feedback (CRUD)