**BCS3143**

**SOFTWARE PROJECT MANAGEMENT**

**PROJECT #1**

**SECTION:**

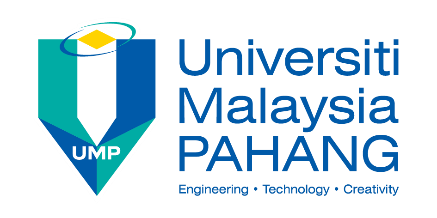
**GROUP NAME:**

**MEMBERS:**

**(please sort by Matrix ID)**

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| **NO** | **ID** | **NAME** |
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| **Youtube link Discussion** |  |



**INSTRUCTION:**

**Read, analyze and synthesize the project case study below. All following tasks are based on this project case study. WHAT YOU NEED TO DO:**

1. **DISCUSS IN GROUP, WRITE THE ANSWER IN THE BOX THEN SAVE TO .pdf FORMAT**
2. **RECORD YOUR DISCUSSION VIDEO, UPLOAD IT TO YOUTUBE**
3. **SEND THE .pdf DOCUMENT (No 1) AND THE YOUTUBE LINK (No 2) TO THE KALAM**

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| **PROJECT TITLE:**  **PAYMENT PROCESSING SOLUTION FOR RESTAURANTS**  Your customer is a Malaysian start-up in the field of payments for cafes and restaurants. Its solution represents a special tablet with a built-in system for accepting payments via credit cards, a corresponding application for this tablet, and an administration system for the venue itself (or their network) to manage this whole system.  The project has offered a number of serious challenges for your development team. First of all, its hardware part – the tablet with a cardholder – is a non-typical device with technological peculiarities. To function properly, the tablet should work in a kiosk mode only. The users had to start by blocking the possibility of exiting this application, launching the system, and running any third-party applications on the tablet.  Finally, as the solution needs to be certified to accept payments, additional security measures had to be taken in the process of creating the application.  **The solution**  Your software development team has to develop the following components of the solution:  **The application for the Android tablet:**   * menu categories, food catalog, and prices; * meal descriptions; * the shopping cart for ordering dishes; * the possibility to combine several dishes; * account management and the separate payment mode for several persons; * a credit card payment option; * feedback tabs; * a series of other specific features that were significant for the client   **The web admin panel:**   * cafe network management (creation and editing); * the menu, dishes, prices, and descriptions management; * multilingual support; * statistics;   **Specific features**  Due to the specific nature of the hardware, which includes an SDK (Software Development Kit) for the card reader, some non-trivial measures had to be taken in the process of development.  **Business benefits**  The outcome of the project is a fully functional complex of several Android and web applications that meet all customer requirements. As for the users’ part, the solution helps cafe visitors to get an automated application for viewing and ordering food in a conveniently and securely manner.  **INFORMATION ABOUT YOUR COMPANY**  **Name:** Malpro Soft Inc.  **Background:**  Software development and consulting company focusing on web, mobile, desktop and embedded software solutions, QA and testing. Since 1990, the company has been bringing digital transformation to mid-sized and large enterprises in Banking and Finance, Insurance, Telecommunications, Healthcare and Retail. The key domains include enterprise software, e-commerce, BI and Big Data, e-learning and IoT  **Region:**Worldwide  **Industry:**Software Development  **Type:**Sdn Bhd  **Engagement model:**fixed cost/time and material  **Staff: 5**34 persons  **Platforms:**Android  The total cost allocation for the project is RM1.2 million. The project must be completed within 12 months. |

**PROJECT TASK 1 [10 MARKS]**

1. Create the project charter for this project

**[5 Marks]**

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1. Develop WBS until level 4 for this project.

**[10 Marks]**

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1. Using smartsheet.com, provide the project schedule in details of the **twelve (12)** months using the following format:

|  |  |  |  |
| --- | --- | --- | --- |
| Activity  Code | Activity Name | Predecessors | Duration  (Day) |
| A | Collect requirements | - | 2 |
| B | … | .. | .. |

**[10 Marks]**

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1. Based on your answer in (c) plan a complete Gantt chart for this project.

**[15 Marks]**

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