**Golf Club Membership Management System**

Imperial Golf Club Malaysia is one of the most exclusive clubs in Kuala Lumpur. It was established through visualizing a club fostering splendid and laudable social consciousness, goodwill, community spirit and healthy living through active sports and recreational participation. Enhanced with natural landscape, undulating terrain, out-crops, bunkers and dips, the course poses a unique challenge for golfers of all standards.

As the Golf club got huge number of members and also it is keep increasing, you are required to develop a system for managing the members of the golf club. The system should have the following features:

1. **Add New Member**

New member details are to be added to the golf club membership records (database) by any admin staff.

1. **Remove Member**

To enable removal of any golf member who wants to close the membership. It should be possible only by admin staff.

1. **Update Member’s profile**

Member’s details are to be updated. Member ID and Name should not be available for update. Updates can be done only by the admin staff of the golf club.

1. **Search Member**

Provision to search for a member need to be provided based on the Member ID.

1. **Type of Membership**

Three types of membership options are available for members which are Deluxe, Non-Deluxe and Weekday. List of membership types and their details are listed in Table 1.0.

1. **Payment System**
   1. The system will enable the golf admin to record monthly fees paid by members. The payment entries should include the date of the payment, details of the payment and an indication of who made the entry.
   2. To enable the person to edit the entries made. The editing should only be done by the golf club admin who made the entry. For example, if the entry was made by the supervisor of the club, any other staff should not be able to make changes to that entry and it should be possible only by that respective admin who made the entry.

**Table 1.0 Membership fees and Privileges**

|  |  |  |
| --- | --- | --- |
| **Membership Types** | **Fee** | **Description** |
| Deluxe | * Registration: RM500 * Monthly : RM120 * Transfer : RM1000   **\*GST -6% will be added to amount** | Shall enjoy all the rights and privileges of the club and be liable in the same manner as any ordinary Member. |
| Non-Deluxe | * Registration: RM300 * Monthly : RM100 * Transfer : RM500   **\*GST -6% will be added to amount** | No voting and equity Rights  No reciprocal / affiliated Club privileges |
| Week-Day | * Registration: RM180 * Monthly : RM75 * Transfer : RM100   **\*GST -6% will be added to amount** | No voting and equity Rights  No reciprocal  / affiliated Club privileges  No Weekend bookings available |

1. **Reports**

Reports are to be generated regularly or as needed. Only two types of reports are required.

1. Report of all the members currently holding deluxe / non-deluxe / week-day memberships.
2. Payment report (generated from Payment entries).

**Note:** Use reporting feature of Visual Studio to produce the reports above.

**Recommended Database Structure**

|  |  |
| --- | --- |
| **Table Name: Members** | **Description** |
| **Member ID** | Member ID will be used as identification key for any member |
| **Member First Name** | First name |
| **Member Last Name** | Last name (surname/family name) |
| **Membership ID** | Type of Membership |
| **Contact Number** | Mobile phone number |
| **E-mail Address** | Member’s E-mail address |
| **Status** | Active / Closed |

|  |  |
| --- | --- |
| **Table Name: Membership Types** | **Description** |
| **Membership ID** | The Unique identification number for every membership type |
| **Membership Type** | Membership Type (Deluxe / Non-Deluxe / WeekDay) |
| **Registration Fee** | Registration Fee for the membership type |
| **Monthly Fee** | Monthly fee for using the facilities / services |

|  |  |
| --- | --- |
| **Table Name: Payment** | **Description** |
| **Payment ID** | Sequence number for each payment entry |
| **Member ID** | As Foreign Key |
| **Membership ID** | As Foreign Key |
| **Date of Entry** | The date of entry made |
| **Logged By** | Name of person who logged for the payment entry |
| **Description** | Description of the payment activity that took place |
| **Amount Due** | Amount that has to be paid by the member |
| **Amount Paid** | Amount paid by the member |
| **Payment Date** | Date of payment made by the member |

|  |  |
| --- | --- |
| **Table Name: Credentials** | **Description** |
| **Username** | Login credential of the user |
| **Password** | Password field |
| **Role** | The role can be any post within the golf club (e.g. manager, admin, supervisor etc.) |

**PROJECT INSTRUCTION**

This is a group assignment and each group should consist of **not more than THREE (3)** persons. You are to develop the user interface using VB.NET controls that your group deemed fit for the purpose of this system.

**Submission Requirements**

you or your group is required to submit the following for your documentation:

##### APU Assignment Cover Page

# Table of Contents

1. The table of contents should have the topic title and reference page number attached to each topic.

# Introduction

This should include the task, the scope of the new system, and the objectives for the new system.

1. **Screen Designs**
2. **Input Screen Designs**

This section includes the sketch design of the Graphical User Interface, indicating the layout and the components to be used for the interface (forms and report structures).

1. **Output Screen Designs**

This section includes the actual screen when the program is executed. This may be done by capturing the screen that has been implemented in the program. The Output Screen Design must match with the Input Screen Design.

1. **User Manual**

Produce a detailed user manual of at least 10-15 pages on using the system that you or your group has developed. The manual must include step by step instructions to perform a specific task in the system which includes screen shots to assist users in using the system.

1. **Critical Assessment**

Identify the strengths and the weakness that you or your group has found in the new system. If there are any weaknesses, provide recommendation(s) on how the system might be improved in the future.

1. **Bibliography/References**

The bibliography/references list should use the Harvard Referencing format. The list includes books, articles or websites which you may have used to help you in completing this project. Bibliographies are works you have read but not used directly for your project. Reference is work/code you have used them directly from sources such as forums, tutorials and websites for completing your project.

**PRESENTATION**

Each group is to prepare a 15-20 minutes presentation to demonstrate the system to the lecturer. The presentation will be graded based on the ability to demonstrate the working of the system and the ability to answer questions asked related to the program developed which may include code modification or explaining the code used in the system during the presentation. Failure to attend the presentation will be subjected to Extenuating Circumstances (EC) mitigation and possibly a zero mark for the system implementation (Group Component – Coding and Implementation, Individual Components – Program Solution and Presentation).