**Produce a Gantt Chart for development activities from the beginning until the end of the system development. Explain clearly each development activity.**

**Gantt Chart**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Description** | **Date** | | | | | **Days** |
| 07/03/2018 - 10/03/2018 | 11/03/2018 – 13/03/2018 | 14/03/2018 – 18/03/2018 | 18/03/2018 – 25/03/2018 | 26/03/2018 – 28/03/2018 |
| Planning |  |  |  |  |  | 4 |
| Analysis |  |  |  |  |  | 3 |
| Design |  |  |  |  |  | 5 |
| Implementation |  |  |  |  |  | 8 |
| Maintenance |  |  |  |  |  | 3 |

The Gantt Chart above is to show the visual view of the schedule on the duration of system development. Gantt Chart shows what task that need to be done on a specific day in schedule form.

1. **Planning**

The first step to develop Colmar Tropicale Hotel Reservation System is planning. As the developer, planning phase is really important to determine and analyse the project scope of the system, what is the purpose of developing the system and gather all the information regarding the system development. So, as the developer of the Colmar Tropicale Hotel Reservation System, the project scope, objectives and all the data and information of the reservation system has been identified. The planning phase has been conducted in 4 days from 07/03/2018 until 10/03/2018.

1. **Analysis**

The next phase of system development after planning phase is analysis. In this phase, the developer must identify the user requirement and the budget in order to develop the system. As the developer of the Colmar Tropicale Hotel Reservation System, the user requirement and budget to develop the system has been analyse from all the gathered information from planning phase. There are few requirements that user want for the system and the budget of the reservation system is not really high. This analysis phase is conducted in 3 days from 11/03/2018 until 13/03/2018

1. **Design Development**

The third step in order to develop the system is design phase. Design phase is a step where the system specification and design the architecture of the system is analysed. Before the implementation of the Colmar Tropicale Hotel Reservation System, the Flow Cart and Pseudo Code of the system has been designed as a guide in order to develop the system. The Flow Chart and Pseudo Code also is designed for the developer to know what is the flow of the system. The design phase in order to develop the Colmar Tropicale Hotel Reservation System has been conducted in 5 days from 14/03/2018 until 18/03/2018.

1. **Implementation**

The second last step of the development process is implementation. Implementation is a phase where the system is being developed. So, the Colmar Tropicale Hotel Reservation System is developed in this phase. The system has been developed based on all the collected requirement by using C# writer from Visual Studio 2015 Software. The system take 8 days to be developed from 18/03/2018 until 25/03/2018.

1. **Maintenance**

The last development process is maintenance. This phase is where modification, alteration and improvement of the system performance will occur after the system has been fully developed. This is made due to the change request initiated by the users or system defects during live use of the system. This phase will be conducted for Colmar Tropicale Hotel Reservation System only if the system need an improvement or the defects occur during the consumption of the system.

**Suggest appropriate future enhancements to the system functionality, Clarify the benefits of the enhancements.**

There are few future enhancements to system functionality of the Colmar Tropicale Hotel Reservation System. One of the future enhancement for the system is the report of the system can search the customer’s reservation information by using I/C number or ID number. The search function for the report will ease the users to view the report of customers that the users want by searching the I/C number or ID number. This will make the report more meaningful to the users who will view the report. It is better than the report shows all of the customer’s reservation information which maybe will make the user confuse.

The others future enhancement is system security. The current Colmar Tropicale Hotel Reservation System does not have system security like user login using username and password. The login function using username and password should be implemented for the system in the future. The login function is really important to make sure that the system is secure from any intruder who wants to steal the data in the system. It is also to make sure that the system is used by the valid users of the hotel.

The last future enhancement is the system can give a proper report of all the customers who book for the hotel. The Colmar Reservation System that has been developed has the functionality where it can give a output which report of the customer who has booked for the hotel. The report can be viewed by the users but it is not in arranged form. So, the enhancement that can be implemented in the future is the report maybe can be viewed in a arranged table or form. This is to make sure that the users can read and view the report clearly without any doubt.