**Plan and manage work activities**

***Analyze the characteristics of the work to be done:***

* 1. *Correct determination of the principal tasks and their sequence*
* Understanding the project
* Writing down all the possible outcomes within the project
* Considering the essential Classes needed in the project
* Simulate a real-life scenario of a hotel management system
* Write down the basic functionalities of this system
* Draw a basic class diagram for MyHotel Management System
* Draw a detailed class diagram for MyHotel Management System
* Draw a detailed algorism diagram for MyHotel Management System
* Determine each class variables and methods
* Start building the .h and .m files base on the class diagram created previously
* Follow the algorism diagram and start building main.m file
* Check the project description once again to be sure meet all the requirement
* Access and test the program to ensure error free environment
* Create documentation for MyHotel Management project
* Pack the project for submission
  1. *Estimation of the time required to accomplish the principal tasks*

*Task:* Understanding the Project

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *35 mins* | *40 mins* |

*Task:* Write down all the possible outcomes within the project

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *30 mins* | *25 mins* |

*Task:* Considering the essential Classes needed in the project

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| --- | --- |
| *Estimated Time* | *Real Time* |
| *30 mins* | *40 mins* |

*Task:* Simulate a real-life scenario of a hotel management system

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *One hour* | *1 hour 20 minutes* |

*Task:* Write down the basic functionalities of this system

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *30 mins* | *40 minutes* |

*Task:* Draw a basic class diagram for MyHotel Management System

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| --- | --- |
| *Estimated Time* | *Real Time* |
| *3 hours* | *4 hours* |

*Task:* Draw a detailed class diagram for MyHotel Management System

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *3 hours* | *3 hours 40 minutes* |

*Task:* Draw a detailed algorism diagram for MyHotel Management System

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *3 hours* | *3 hours 20 minutes* |

*Task:* Determine each class variables and methods

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *4 hours* | *4 hours* |

*Task:* Start building the .h and .m files base on the class diagram created previously

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *8 hours* | *10 hours* |

*Task:* Follow the algorism diagram and start building main.m file

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *10 hours* | *8 hours* |

*Task:* Check the project description once again to be sure meet all the requirement

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *1 hour* | *1 hour* |

*Task:* Access and test the program to ensure error free environment

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *1 hour* | *1 hour* |

*Task:* Create documentation for MyHotel Management project

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *8 hours* | *8 hours* |

*Task:* Pack the project for submission

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *30 minutes* | *30 minutes* |

* 1. *Consideration of the deadlines for completing the work*

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *9th December 2019* | *Worked 2835 mins in total* |

***Plan activities:***

*2.1 Determination of the correct priorities.*

*1. Installation of GNUstep Setup for Windows, or Xcode for Mac.*

*2. Establish the class definition.*

*3. Draw the class diagram.*

*4. Algorithm for methods.*

*5. Start building the code in the software.*

*6. Troubleshooting the problems in the code.*

*7. Run and Test.*

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *10 mins* | *15 mins* |

*2.5 Creation of a realistic work schedule.*

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
| *20 mins* | *15 mins* |

*2.6 Correct evaluation of human and material resources required to complete the work.*

*1 person, mac needed for now.*

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| --- | --- |
| *Estimated Time* | *Real Time* |
| *10 mins* | *10 mins* |

*2.8 Correct presentation of the work schedule for approval.*

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| --- | --- |
| *Estimated Time* | *Real Time* |
| *1 week* | *1 week 4 days* |

***Follow up work activities:***

*3.1 Use of an appropriate follow-up method for the activities*

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| *Estimated Time* | *Real Time* |
|  |  |

*3.2 Efficient time management.*

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| --- | --- |
| *Estimated Time* | *Real Time* |
|  |  |

*3.4 Regular adaptation of the work schedule to accommodate unforeseen events.*

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| --- | --- |
| *Estimated Time* | *Real Time* |
|  |  |

**Install an application**

***Plan the installation***

*1.1 Choice of the appropriate installation strategy for the context.*

* *MacOS and Xcode*
* *For windows user; virtual machine software like VMWare and VirtualBox*

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| --- | --- |
| *Estimated Time* | *Real Time* |
| *3 hours* | *3 hours 40 minutes* |

*1.2 Evaluation of the human and material resources necessary for the installation.*

* 3 Macs and 5 PCs
* 3 persons to install the software and copy the application into these 8 computers

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| --- | --- |
| *Estimated Time* | *Real Time* |
| *4 hours* | *4 hours* |

*1.3 Identification of the steps and procedures of the installation.*

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| --- | --- |
| *Estimated Time* | *Real Time* |
|  |  |

*1.4 Correct anticipation of potential installation problems.*

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
|  |  |

*1.5 Creation of a realistic work schedule.*

|  |  |
| --- | --- |
| *Estimated Time* | *Real Time* |
|  |  |

***Configure the environment.***

*2.1 Strict adherence to the installation plan.*

|  |  |
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| *Estimated Time* | *Real Time* |
|  |  |

*2.2 Adaptation of the hardware environment to the application’s requirements.*

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| *Estimated Time* | *Real Time* |
|  |  |

***Produce an operations guide for the installation***

*5.3 Information on possible problems and their solutions.*

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| *Estimated Time* | *Real Time* |
|  |  |