

Plan and manage work activities & Install an application

Based on the project requirements, you have to fill in by the next class (version 1.1) the following document based on some of the elements of the competency for this course:

Plan and manage work activities – 016Y

Analyze the characteristics of the work to be done:

1.1 Correct determination of the principal tasks and their sequence

Install the compiler for PC –

1. Download all 4 files specified into *Steps_to_compile_Objective-C_code.pdf*
2. Install respecting the order
3. Open the shell application of GNUstep (Start -> All Programs -> GNUstep -> Shell)
4. Edit the only one file .m and place it into c:/GNUstep/msys/1.0/home/(the_name_of_computer)
5. Compile and run it.

Create the analyze for the project: -

1. Class diagram
2. Algorithm for the methods

Translate the analyze and algorithms to the Objective code –

1. For xCode (multi files)
2. For Windows (only one file)

1.2 Estimation of the time required to accomplish the principal tasks

Install the compiler for PC

– 1 to 5 estimative time = 1h

Create the analyze for the project:

- 1 estimative time for version 1.1 = 2h

- 2 estimative time for version 1.1 = 2h

Translate the analyze and algorithms to the Objective code –

- 1 estimative time for version 1.1 = 2h

- 2 estimative time for version 1.1 = 2h

1.3 Consideration of the deadlines for completing the work

Install the compiler for PC (NGG Windows Compiler)

- real time = 15m

Create the analyze for the project:

- real time = 3h

Translate the analyze and algorithms to the Objective code

- real time = 1h (first draft)

Plan activities:

2.1 Determination of the correct priorities.

To establish the general situation of the project. Think in terms of the requirement as one whole, and from there, start figuring out how to organize all the entities involved as Classes, inheritances and relations.

2.5 Creation of a realistic work schedule.

According to our personal and work schedule, create Sprints of tasks that in each one we can cover a complete task which has a sense for the final goal. For this project, I will be working during three weekends and do some complementation tasks Tuesday and Wednesday.

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

This project is being done by myself, using a Windows 10 Laptop with MINGW32 Objective-C compiler, version 4.6.1 (GCC)

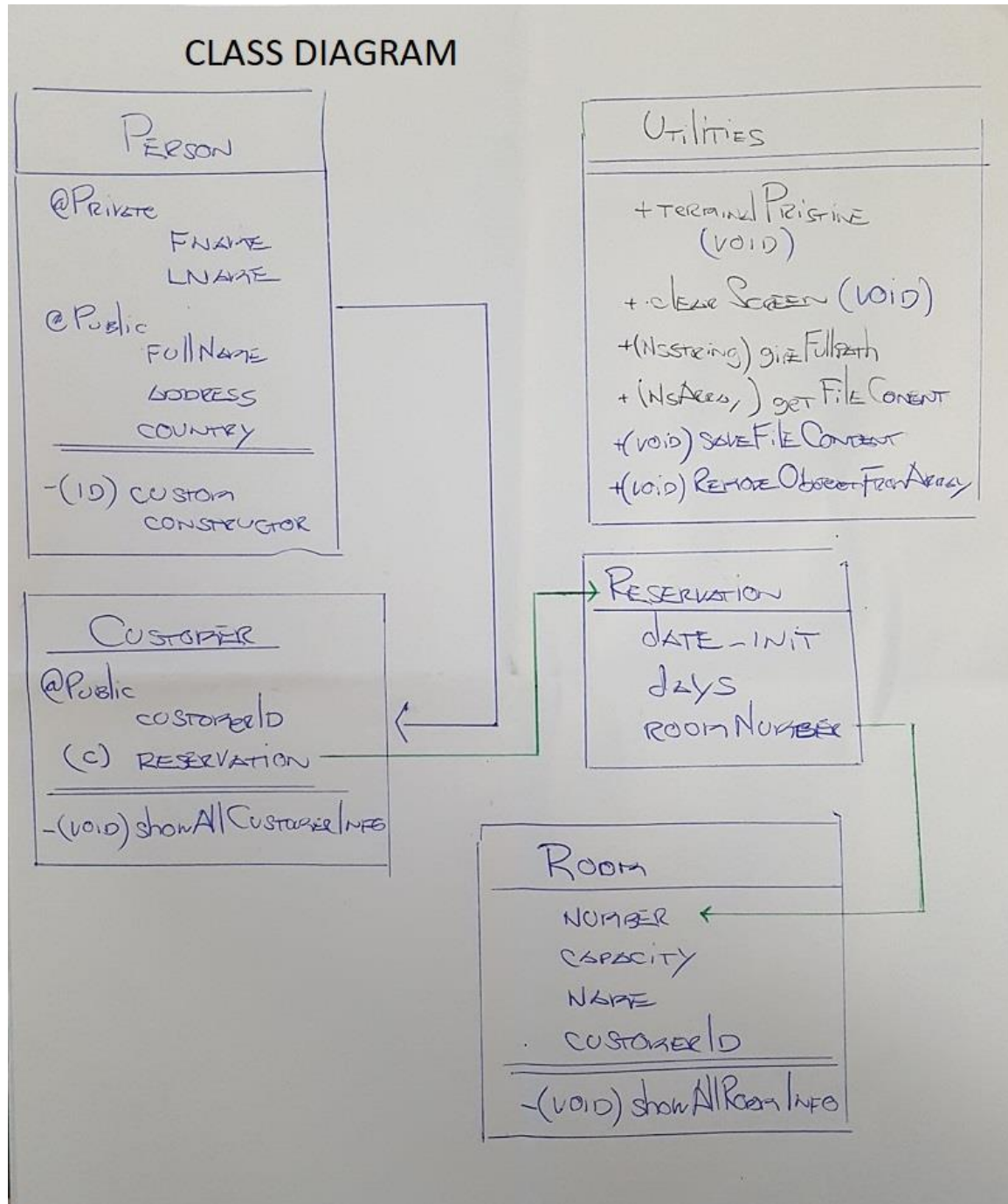
2.8 Correct presentation of the work schedule for approval.

This main idea is to follow the original Schedule without adding any extra tasks, so that the plan can lead us to finish the project satisfactorily.

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Follow up work activities:

- 3.1 Use of an appropriate follow-up method for the activities
- 3.2 Efficient time management.
- 3.4 Regular adaptation of the work schedule to accommodate unforeseen events.



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Install an application – 017A

Plan the installation

1.1 Choice of the appropriate installation strategy for the context.

Download the MINGW32 files and install them in strict order

gnustep-msys-system-0.30.0-setup.exe

gnustep-core-0.35.0-setup.exe

gnustep-devel-1.4.0-setup.exe

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

This task not should take more than 30 minutes to install Objective-C compiler in a Windows 10 laptop.

1.3 Identification of the steps and procedures of the installation.

After having installed the compiler, put the all code files into : c:/GNUstep/msys/1.0/home/Leonardo folder.

Open the MINGW32 Shell Terminal and run the proper line command:

```
gcc finalProject.m `gnustep-config --objc-flags` -L /GNUstep/System/Library/Libraries -Wl,--no-as-needed -lgnustep-base -lobjc -std=c99 -o finalProject
```

1.4 Correct anticipation of potential installation problems.

No problems during the installation and testing the compiler. But I got some problems when compiling since this compiler work slightly different to the X-Code compiler for mac.

1.5 Creation of a realistic work schedule.

Working on three weekends and making complementary tasks a couple of days more (Tuesday and Wednesday)

Configure the environment.

2.1 Strict adherence to the installation plan.

2.2 Adaptation of the hardware environment to the application's requirements.

Following the instructions to download and install MINGW32 Objective-C compiler under Windows 10.

Produce an operations guide for the installation

5.3 Information on possible problems and their solutions.

During the development, I have faced some minor problems when compiling since this compiler works slightly different to the one X-Code under mac. I have spent some time when solving some compiler errors from the terminal.