***Group: Bb-01***

***Member: Ali Riza Sevgili***

***Position: Team Leader & Conversion***

**Determine**:

In this final project, we are supposed to walk through all the project instructions, make notes for every vital step and keep in touch during the whole process. Regarding the role of Team Leader & Conversion Module, The Conversion module's atoi(), atof(), and atol() functionalities as well as the tasks the Team Leader needs to complete would be defined.

**Define:**

In this step, I need to define the problem which I am trying to solve. I need to classify the objectives of the software and any requirements which would be used for it. I need to break down complex issues into small things.

**Design**:

We must divide up duties among our group members all through the design process. We select a group leader in advance who is in charge of organizing our teamwork, coding the main function, compiling, uploading, and submitting all necessary paperwork. Following that, we can divide the task between the four available modules. In my case, it needs to be determined how all the functionalities will be implemented. In this phase, it needs to be determined input parameters and expected outputs.

**Develop and test:**

In this phase, I need to provide implementing the functions in the Conversion module and main.c file. Each team member requires coding according to their modules and as a Team Leader, I have to develop the main.c file that combines all modules together For the testing process, convenient unit tests would be worked for each function in the modules. The Team Leader would conduct the test process to make sure that all modules work properly together. Any bugs or issues or other errors need to be fixed correctly.

**Deliver**:

Before deployment, we must carefully go over the required process step by step. The Team Leader needs to put together all the codes, test results and related tasks into a ZIP file. This ZIP file should be uploaded to the Blackboard Final Project.

**Maintain**:

In this step, it needs to receive feedback from the lecturer and upgrade the project based on necessary changes. This phase also involves troubleshooting and editing the software to meet new demands or fix problems.

**FINAL PROJECT**

In this final project, there are specific roles for the group’s member who works on the “Conversion Module” as a Team Leader. I selected this role personally, so in this article, I am mentioning my role, and what I need to work on for this project individually. There are some tasks for Team Leader which are below:

* **Conversion Module:**

1. This role requires applying certain C standard library functions which are **atoi(), atof(), and atol().**
2. These functions are used to convert a string into an integer, a double, and a long one by one.
3. In this module, the codes should be developed which represent how to convert and how to be commented and compiled.

* **Team Leader:**

1. The team leader position requires that team up the members and all the other modules files into the final project’s file.
2. The team leader is responsible to code, comment, and compile the **main.c file**
3. The team leader needs to gather all the related files into a ZIP archive and upload the archive into the Final Project on Blackboard.

As I mentioned above, I am planning to work via this plan in order to contribute my effort to this Final Project.

Thank You !