Ain Shams University
Faculty of Engineering

CSE354: Distributed Computing – 2ⁿᵈ Semester 2023/2024

This project is a group project, each group will be 2 to 4 students. Each group will deliver a written report in addition to the developed code by the end of the project that shows the detailed analysis, design, testing … etc. of the project and the description of the used techniques, problem description, detailed solution, limitations, sample output, references, and any additional information related to the project. Online Demo**(YouTube)** Video, presentation, and discussion will be conducted by the end of the project.

The project report should include at least the following sections in addition to the requirements of the main project_document if exists:

1. Cover page that contains university, college, and department name, the project name/number, your names and student IDs … etc.
2. Introduction
3. Table of contents, list of figures, and (if needed)list of tables
4. Detailed project description.
5. Beneficiaries of the project.
6. Detailed analysis.
7. Task breakdown structure of the different tasks that represent the project.
8. Time plan that includes a Gantt chart for the different tasks of the project**(Optional)** and the role of each team member**(Must)**.
9. System architecture and design
10. Testing scenarios and results
11. End-user guide
12. Conclusion
13. References (All references must be cited inside the report).
14. Appendices (if needed).

Project Deliverables

The following are required to be delivered by the due date, all deliverables must be uploaded to LMS by the due date, and no other methods can be used to send your files:

- **Project code** must be submitted as a zip/rar archive, it must contain all the files that allow us to run it in addition to the source code.
- A **Readme** file that shows how to compile/run the developed code and how it can be run as well as the required running environment for the project and YouTube link (Use any Readme templates e.g. https://www.makeareadme.com/#template-1)
- A **presentation(Optional for you in the project discussion)** (in .pptx format) of the different phases of the project.
- **Project document** (in .docx format) that contains at least the sections stated above.
- A **GitHub** link(that is already Provided), has all files and documents mentioned above. " Prepare it well for you :) "
- A **YouTube video** (Demo) that illustrates the project's use on several VMs (AND/OR) Computers. **Attach the link in the ReadMe file**.

Notes

- Use consistent document format (font sizes, titles, subtitles, captions, paragraph formatting … etc.). Recommended font sizes are main title 14pt, subtitles 12pt, main text 12pt, and captions 10 pt. The recommended font type is "**Calibri**" bold for titles and subtitles and "Calibri '' for all other texts. Recommended spaces before and after paragraphs are 12pt before and 6pt after each paragraph, title, and subtitles, and 1.15 spacing is highly recommended. Justified paragraphs from both sides are also recommended.
- Figures must be centered on the pages, and they should be numbered separately. Each figure must have a caption that appears below the figure.
- Tables should be numbered separately. Each table must have a title that appears above the table.
- Pages must be numbered consistently except for the cover page.
- A 10-minute presentation will be held for each group during which you need to show the progress in your project. The final deliverables should be provided in soft copy on LMS in addition to a brief demonstration of your project.
- All reports/codes will undergo plagiarism checking.