Assignment 1
Legacy System and Reengineering
Due: Sunday, 12:00 AM (Midnight), 18 Nov 2024

For this assignment, each student will work individually on the selected repository of your group project. You are required to complete one specific reengineering task to improve an assigned component or module of the legacy system, ensuring there is no overlap in contributions with other team members.

Instructions:
1. Fork the Repository:
- Ensure that one of your team members has forked the original legacy system repository.
- Work only in the forked repository, not the original one.

2. Select and Confirm Task:
- Choose a specific and non-overlapping reengineering task within the assigned component/module.
- Share or discuss a brief task description with your team member for approval (you are encouraged to use Tutorial 6 class time for this).

3. Create a New Branch:
- In the forked repository, you are required to create a new branch using this format: `assignment1_<your name>`.

4. Perform individual Reengineering Task:
- Implement the agreed-upon improvements in your branch. The task may include refactoring, adding documentation, testing, or code optimization.
- The task may also be coming from what your group has identified in Tutorial 3.

5. Create a Pull Request (PR):
- Once the task is done, submit your work as a PR (as done in Tutorial 1) and ensure the PR is comparing your branch with the main branch of the forked repository.
- In the PR, include a description (**the 5 marks for the assignment will be based on what is reported here**).
- The PR description should include:
    - The addressed issue (**1 mark**)
    - What you have reengineered (**1.5 marks**)
    - Reengineering strategy or approach used (**1.5 marks**)
    - Impact of changes (**1 mark**)

7. Submit Your Pull Request:
- Once the PR is created with a complete description, submit it.
- Add me (@suhadaudd11) as a reviewer or assignee for the PR, enabling direct feedback and grading.
- No marks will be given for pull requests that are not assigned by the deadline. The deadline is midnight (12:00 AM) on Sunday, 18 Nov 2024.

Checklist for Assignment 1:

[ ] Forked the original legacy system repository (Group action).

[ ] Created a new branch (assignment1_<your name>) in the forked repository.

[ ] Selected a unique reengineering task and confirmed it with team members.

[ ] Completed the reengineering task and documented it.

[ ] Created a pull request (PR) with a detailed description, including:
  o The addressed issue
  o Details of the reengineering task
  o Reengineering strategy used
  o Impact of the changes

[ ] Added @suhadaudd11 as a reviewer or assignee on the pull request.