Page Replacement Algorithms

Overview and Objectives:
In this project we have decided to show about the Page replacement Algorithm, which decides which page to remove. It also happens when a requested page is not present in the main memory and the available space is not sufficient for allocation to the requested page.

Below are the Replacement Pages we are working on -

- FIFO Page Replacement
- Optimal Page Replacement
- Least Recently Used (LRU) Page Replacement
- Second Chance Page Replacement
- Enhanced Second Chance Page Replacement
- Least Frequently Used (LFU) Page Replacement
- Most Frequently Used (MFU) Page Replacement

Team Size and Members:
We are a team of 4. Team members are:
- Aditya Vadrevu
- Malleswari Tippireddy
- Yaswanth Sen Gunti
- Revanth Jeldi

Project plan:
We have identified the following subtasks in the project and would be implemented by the respective team member.

Tasks division for the team members:
- Task-1: Creating Algorithms - Aditya Vadrevu, Revanth Jeldi.
- Task-2: Replacing Algorithms - Malleswari Tippireddy.
- Task -3 Testing Algorithms – All group members

Due dates of subtasks:
- Task-1: Dec 5, 2022
- Task-2: Dec 7, 2022
- Task-3: Dec 9, 2022

Experimental environment:
Programming language for implementation:
We would be implementing the code of the project in C++ language with the help of an example.
Operating system to test the project:
We plan to implement this project for Linux.