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Final Project Prep Leave Management

**Scope:**

The leave management program will be a command line interface program that can help both employees and employers manage leave during the year. Paid time off or PTO is very common amongst companies, however studies have shown for a multitude of different reasons employees tend not to take all of the time given to them. One of the primary reasons PTO goes unused is management, PTO management can be complicated for both employees and employers. Some key pieces of this programs are as follows.

* Employees can view their PTO.
* Employers can view PTO balances.
* HR and managers can adjust PTO and assign more for promotions, etc.
* Employees can request PTO and management and HR can approve or deny it.

**Plan:**

Being that this is an object-oriented design it will actually be fairly easy to design given that this functionality will be built in from the start just following basic OOP principals. Each class will be programmed according to its design and the functionality required from it, it will then be tested independently, finally a main driver program will be built that ties all of the classes together and makes the program function, this will then be tested all together to ensure it works. Once the first version is released it is very common to take user feedback and make updates and fix any bugs where necessary.

**Initial Use Case Diagram:**

**Diagram

Description automatically generated**