**Assessment2\_PartB\_Task2**

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In this code implements a requisitions system class that manage user requests, which can be allowed or not allowed based on the total cost of the requested items. The system allows users to submit their information and requests, and managers to respond to pending requests. It also provides functionality to display request details and statistics.

1. Planning: In this code assumes that the requirements for the requisitions system have already been gathered and defined. The requirements might include

* User information collection( Date, Staff ID, Staff Name, status)
* Requisition item details collection()
* Requisition approval based on details
* Manager response to pending requisition

1. Analysis: The code design and implementation suggest that the analysis phase has been completed.

* Identifying the entities involved(Users, Requests)
* Defining the relationships between these entities
* Determining the business rules for request approval and response

1. Design: The structure and organization of this code imply a well thought out design like.

* Defining the Requisitions System class
* Design the method for staff information(requisition details, requisition approval)

1. Implementation: The implementation of the design. IT includes the python code for the requisition system class and the main function drives the system.
2. Testing: Even though not explicitly shown in the code, testing is an essential phase of the SDLC (Software development life cycle).

* Unite testing individual methods and functions
* Integration testing the entire system

1. Maintenance: The code is designed to be maintainable, with concise and clear methods and functions.

* Fixing bugs and errors
* Refactoring the code to improve performance
* Updating the system