Module Name - GAD-6 (Purchase and Store)
Student Mentor - Siddharth Tandon (21BCS200)

API Documentation of GAD6 - Purchase and Store Module

Overview of the module:- This module can be used to file an indent by faculty/staff members, get the indent approved by authorities, manage stocks, and ensure a transparent system to keep track of the application status and payments involved. An indenter is allowed to fill indent form(s), which will be sent for approval to the concerned person (Director/Registrar) after approval, the procurement procedure will be initiated, and when the items(s) are delivered, an entry of procured items will be made in stock tables followed by payment for the items received.

API'S Used in the module

1. *purchase-and-store*/create_proposal/request{usertype,data} - Not Implemented
   a. Parameters required - usertype, data
   b. Description - The employee can file an indent (create proposal) by filling out the online form.
2. purchase-and-store/forward_request/request{usertype,data} - Not Implemented
   a. Parameters required - usertype, data
   b. Description - The dept/section head, director or registrar can approve and forward the indent he/she received from their section.
3. purchase-and-store/view_stock/{usertype} - Implemented
   a. Parameters required - usertype
   b. Description - The PS_admin or Dept. admin can view the stocks available in the stock maintenance system.
4. purchase-and-store/add_stock/request{usertype,data} - Not Implemented
   a. Parameters required - usertype, data
   b. Description - The PS_admin or Dept. admin can add, modify and/or delete stock information from the system.
5. purchase-and-store/generate_report/{usertype} - Not Implemented
   a. Parameters required - usertype
   b. Description - The PS_admin can view the report of all departments generated after all the stock updates and the Dept. admin can view the report of their department generated after all the stock updates.

6. purchase-and-store/perform_transfer/request{usertype,data} - Not Implemented
   a. Parameters required - usertype, data
   b. Description - The PS_admin can transfer any item to any other department and the Dept. admin can transfer any item to any other department or to Global administrator.
7. purchase-and-store/view_transfer_execution/{usertype} - Not Implemented
   a. Parameters required - usertype
   b. Description - The PS_admin and the Dept. admin can view the data of the items/stocks that are transferred.

APIs:-

[Use Case Diagram](#)

- **Already Implemented**

  - *view_global_stock - [purchase-and-store/ stock_view/] :*

    ■ It is a transaction performed by the PS_admin when he/she wishes to view the stocks available in the stock maintenance system.

    ■ Database - The Database contains the table StockEntry from which all the details of this page will be fetched.

- **Yet to be implemented or Partially Working**

  - *add_global_stock - [purchase-and-store/ entry/]:*

    - It is a transaction performed by the PS admin when he wishes to add, modify and/or delete stock information from the system. The end point redirects to an empty/blank page.

    - Expected work: The page should give options such as add, modify and delete stock information from the system. So a form needs to be added, the form will have necessary fields to add, modify the stock.

    - Database - The Database contains the table StockEntry which will be used to populate the stocks.

  - *generate_global_report - [purchase-and-store/ generate_report/] :*

    - It is a transaction performed by the PS admin when he wishes to view the report of all departments generated after all the stock updates. At this point the endpoint is not implemented. i.e the api for this use case is not implemented.

    - Expected work: The end point should redirect to a page containing all the data fetched from the database containing information regarding the reports of all departments stock updates.

    - Database - No Table Implemented as of now.

  - *perform_global_transfer - [purchase-and-store/perform_transfer/] :*

    - It is a transaction performed by the PS admin when he wishes to transfer any item to any other department. At this point the endpoint is not implemented. i.e the api for this use case is not implemented.

    - Expected work: The end point should redirect to a page containing the items and the option to transfer the item to any other department.

■ Database - No Table Implemented as of now.

○ *view_global_transfer_execution -*
   *[purchase-and-store/*view_transfer_execution/*]* :

   ■ It is a transaction performed by the PS admin when he wishes
     to view the data that has been transferred from one department
     to another, administration to another department, department
     to administration. At this point the endpoint is not
     implemented. i.e. the api for this use case is not implemented.

   ■ Expected work: The end point should redirect to a page
     containing the report/data of the items that have been
     transferred from one department/Administration to another.

   ■ Database - No Table Implemented as of now.

○ *view_ dept_stock - [purchase-and-store/*view_stock/*]* :

   ■ It is a transaction performed by the Dept. admin when he/she
     wishes to view the stocks available in the stock maintenance
     system of the respective department. At this point the endpoint
     is not implemented. i.e. the api for this use case is not
     implemented.

   ■ Expected work: The end point should redirect to a page
     containing all the stock present in the department.

   ■ Database - The Database contains the table StockEntry from
     which all the details of the stock related to the department will
     be fetched.

- *add_dept_stock - [purchase-and-store/add_stock/]* :

    - It is a transaction performed by the Dept. admin when he wishes to add, modify and/or delete stock information of that department from the system. At this point the endpoint is not implemented. i.e. the api for this use case is not implemented.

    - Expected work: The page should give options such as add, modify and delete stock information of that department from the system. So a form needs to be added, the form will have necessary fields to add, modify the stock.

    - Database - The Database contains the table StockEntry which will be used to populate the stocks.

- *generate_dept_report - [purchase-and-store/generate_report/]* :

    - It is a transaction performed by the Dept. admin when he wishes to view the report of their department generated after all the stock updates. At this point the endpoint is not implemented. i.e. the api for this use case is not implemented.

    - Expected work: The end point should redirect to a page containing all the data fetched from the database containing information regarding the reports of that department's stock updates.

    - Database - No Table Implemented as of now.

- *perform_dept_transfer - [purchase-and-store/perform_transfer/]* :

    - It is a transaction performed by the Dept. administrator when he wishes to transfer any item to any other department or to Global administrator. At this point the endpoint is not implemented. i.e. the api for this use case is not implemented.

- ■ Expected work: The end point should redirect to a page containing the items and the option to transfer the item to any other department or to Global/PS admin.

- ■ Database - No Table Implemented as of now.

- ○ *view_dept_transfer_execution - [purchase-and-store/view_transfer_execution/]* :

  - ■ It is a transaction performed by the Dept. administrator when he wishes to view the data that has been transferred from their department to another department/ Global administration, Global administration/ Other department to their department. At this point the endpoint is not implemented. i.e. the api for this use case is not implemented.

  - ■ Expected work: The end point should redirect to a page containing the report/data of the items that have been transferred from their department to another department or Global/PS administration.

  - ■ Database - No Table Implemented as of now.

- ○ *create_proposal - [purchase-and-store/create_proposal/]* :

  - ■ It is a transaction performed by the employee when he wishes to order something/ file and indent. At this point the endpoint is not implemented. i.e. the api for this use case is not implemented.

  - ■ Expected work: The end point should redirect to a page containing a form with required fields to file an indent.

  - ■ Database - The Database contains a table IndentFile which contains all the Filled indent.

- ○ *approve/forward request - [purchase-and-store/forward_request/]* :

  - ■ It is a transaction performed by the dept/section head, director, Registrar when he wants to approve the indent he/she received from their section. At this point the endpoint is not implemented. i.e. the api for this use case is not implemented.

  - ■ Expected work: The end point should redirect to a page containing lists of indent received and the option to approve and forward them.

  - ■ Database - No Table Implemented as of now.

Current problems you are facing with the module or in its use cases —

- ● Need more clarification on the Actor account_admin and its use cases, So we are working on it.

- ● The current implemented API's don't have any access control. Anyone can access the implemented API's.

Link to Google docs: [Link](#)