

1. INTRODUCTION

This document defines the detailed technical and functional design specifications of eFMIS application. The eFMIS application consists of four modules: ePurchasing, eDeposit, eFAS (financial accounting) and eCGS (contracts and grants).

2. LOGIN

Login is required to access the system. In order to login, users need to have:

- UH Username/Password
- FMIS RACF ID

Currently the PRODUCTION version of ePurchasing utilizes the user login information in UH LDAP Server to authenticate the user; the DEVELOPMENT/TEST/TRAINING versions utilize user login information in USER_TAB in the Oracle Database that resides in its02.its.hawaii.edu. These are specified by authenticator.provider and authenticator.method in webapp.properties file. Refer to webapp.properties documentation for more information.

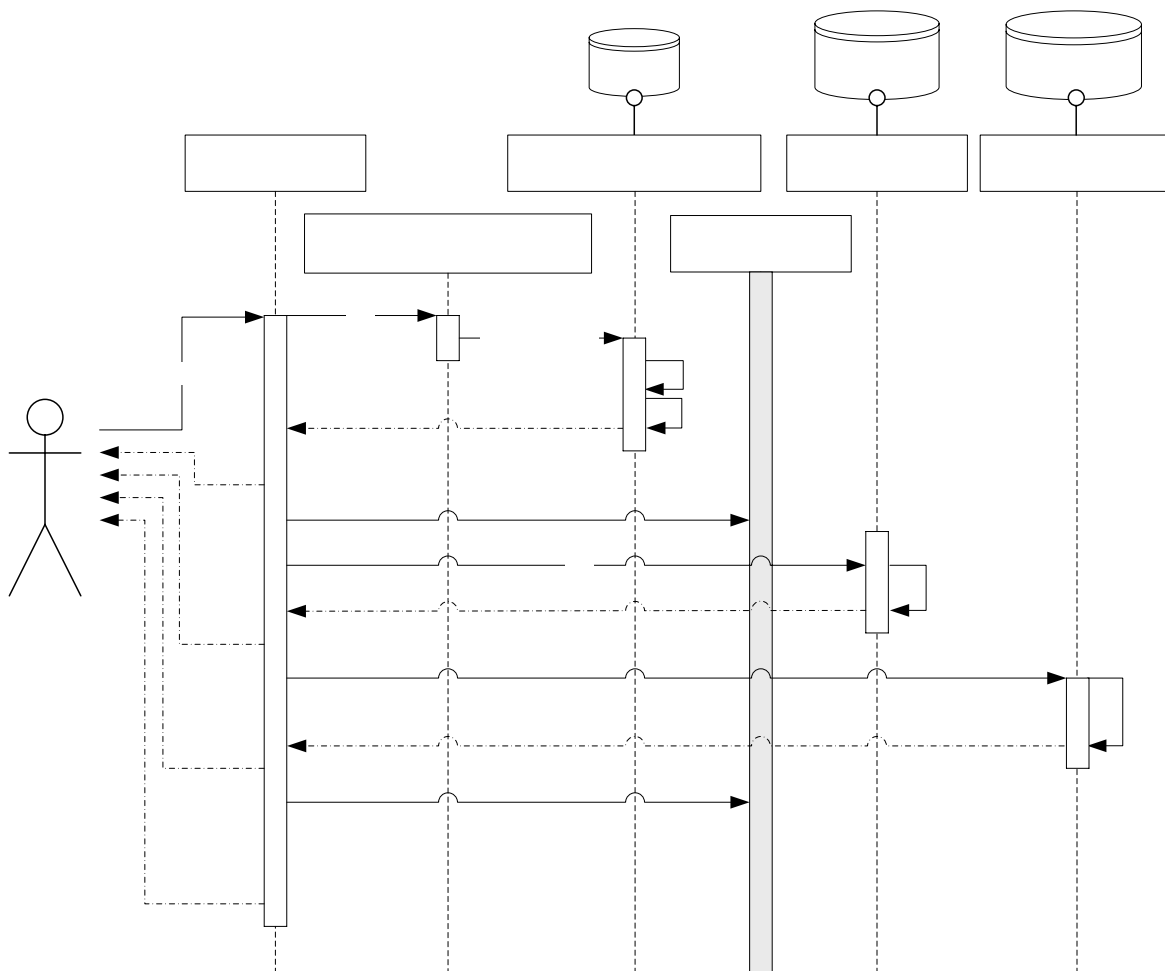


Figure 2.1 – eFMIS Login Sequence UML Diagram

Authen

AuthenticatorFactory

call

newInstance()

3. USER ROLES

User roles are stored in FMIS_USER.ROLE in the Oracle Database. Each role is represented by a character/digit. The following table describes the roles that are used in eFMIS:

| Module | Role | Role ID | Description |
|---------------|------------------------|---------|--|
| eFMIS[Global] | General | G | Person who can access financial account and contracts and grants applications |
| | System Administrator | Z | Person who has complete access to system |
| ePurchasing | Preparer | P | Person who prepares requisitions |
| | Requisitioner | R | Person who prepares and submits requisitions |
| | Approving Authority | A | Person who can approve requisitions |
| | Fiscal Officer | F | Person who can transfer requisitions to other documents, processes payments, maintains users |
| | Central Procurement | C | OPRPM staff who has access to restricted purchases |
| | Procurement Supervisor | M | OPRPM staff who can maintain users |
| | Risk Management | N | Risk Management staff who has access to Insurance purchases |
| | DCS Custodian | Q | Person who can release DCS payments |
| | Disbursing | D | Disbursing staff who can release UHGA payments |
| | Disbursing Support | V | Disbursing students who can review payments |
| | Disbursing Supervisor | U | Disbursing staff who can maintain users |
| | Invoice Preparer | I | Person who prepares payments |
| eDeposits | General | S | Person creating and maintaining deposits |
| | Treasury | T | Treasury staff who has access to investment deposits |
| eScopis | General | O | Person who can access eSCOPIIS |
| eInventory | Read | 1 | Person who only has inquiry access to the system |
| | Update | 2 | Person who has inquiry and update access to the system |
| DataWarehouse | Financial Read | B | Person who can view workbooks\reports using financial data |
| | Financial Create | H | Person who can view and create workbooks\reports regarding financial data |
| | Payroll Read | J | Person who can view workbooks\reports regarding payroll data |
| | Payroll Create | K | Person who can view and create workbooks\reports regarding payroll data |

This character based role assignment should probably be modified to a more extensible model in future. The plan is to utilize the Central Profile System.