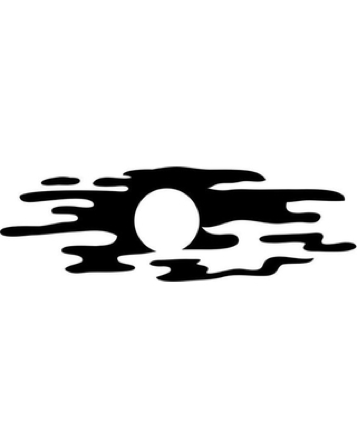
## IST 421 Section 001 - Team 1

Pennsylvania State University

mFinance Project Module and API Design

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## 

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**Project Module and API Design for mFinance**

**mFinanceUserInformation Package**

Classes

* **User:**

LCOM4 = 0: The User class will be mainly used as a parent class for different types of users and will not have any implementation. However, its attributes and the class itself are cohesively tied to User related information and therefore lives in the mFinanceUserInformation Package

* **Customer:**

LCOM4 = 0: The Customer object does not, currently, have any implementation and its main purpose is to allow the creation of new customer object into the database. its attributes and the class itself are cohesively tied to User related information and therefore lives in the mFinanceUserInformation Package

* **Address:**

LCOM4=0: The Address Object does not currently have any implementation and its main purpose is to assist with the creation of Customer objects therefore is cohesive to the mFinanceUserInformation Package.

* **Employee:**

LCOM4=0: Employee is not currently being used. Employee extends the User class and is used to create Employee objects for the mFinance application.

* **Authentication**:

LCOM4=0: Authentication is not currently being used. Authentication will be used to check username and password combinations when logging into the mFinance application.

**mFinanceProductInformation Package**

Classes

* **Loan:**

LCOM4=0: The loan object is an attribute to the loan application object. The loan objects attributes are the loan type and number (unique identifier)

* **Loan Application:**

LCOM4=0: The loan application object is an attribute to the customer object. The loan applications attributes are loan, amount, and status.

* **Loan Distribution**:

LCOM4=0: The loan distribution object is used to document, and track distributions tied to loans. The loan distributions attributes are loan\_number, amount, distribution\_account, and status.

**mFinanceLoanManagement Package**

* **Payment:**

LCOM4=0: Payment is not currently being used. Payment objects will be used to manage the payment of a loan. The class and its attributes are tied to loan-related information.