* ENTITY
  + USER.JAVA
    - Int id
    - String name
    - Int role
    - Long mob
    - String email
    - String username
    - String pswd
  + ASSET.JAVA
    - String assetName
    - String cat
    - String desc(?)
    - Date dateAdded
    - Boolean available
  + CATEGORY. JAVA
    - Int id
    - String catName
    - Int duration
    - Int penalty
    - Int banPeriod
* STORAGE
  + USERSTORAGE.JAVA(INTERFACE)
    - Int addUser(User u)
    - User getUserDetails(int id)
    - List<User> getAllUsers()
  + USERSTORAGEIMPL.JAVA
  + ASSETSTORAGE.JAVA(INTERFACE)
    - Int addNewAsset(Asset a)
    - Asset findAssetDetails(int id)
    - List<Asset> getAllAssets()
  + ASSETSTORAGEIMPL.JAVA
  + CATEGORTSTORAGE.JAVA(INTERFACE)
    - Int addNewCategory(Category c)
    - List<Category> getAllCategories()
    - Category findCategory(int id)
  + CATEGORYSTORAGEIMPL.JAVA
* SERVICE
  + USERSERVICE.JAVA(INTERFACE)
    - Int addUser(User u) throws UserAlreadyExistsException
    - User getUserDetails(int id) throws UserNotFoundException
    - List<User> getAllUsers() throws UserNotFoundException
    - Int bannedTill(User u) throws UserNotFoundException
    - Int borrowAsset(Asset a) throws AssetNotFoundException—user can borrow any asset at any time—this calls the isAvailable() function and checks for availability—if available gives it to user and changes asset availability param to false and returns success status(aka status 1) else returns error msg(aka status 0)
  + USERSERVICEIMPL.JAVA
  + ASSETSERVICE.JAVA(INTERFACE)
    - Int addNewAsset(Asset a) throws AssetAlreadyExistsException
    - Asset findAssetDetails(int id) throws AssetNotFOundException
    - List<Asset> getAllAssets() throws AssetNotFOundException
    - Boolean isAvailable(Asset a)
    - Int calculateFine(User u)
  + CATEGORYSERVICE.JAVA(INTERFACE)
    - Int addNewCategory(Category c) throws CategoryAlreadyExistsException
    - List<Category> getAllCategories() throws CategoryNotFoundException
    - Category findCategory(int id) throws CategoryNotFoundException
  + CATEGORYSERVICEIMPL.JAVA
* EXCEPTIONS
  + UserAlreadyExistsException
  + UserNotFoundException
  + AssetNotFoundException—should call addNewCategory() function with category of said asset as input param
  + AssetAlreadyExistsException
  + CategoryAlreadyExistsException
  + CategoryNotFoundException
* FDP
  + Object getInstance(int choice)—
    - USERSERVICE obj
    - ASSETSERVICE obj
    - CATEGORYSERVICE obj
* VIEW
  + MAIN.JAVA—use switch case with exit option