Final Project Design Document

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INTE2512 – Object-Oriented Programming

1. Project settings
   1. Java JDK: 19.0.2
   2. JavaFX SDK: 20.0.1
   3. IDE: IntelliJ
   4. Github repository: <https://github.com/dealoux/VideoStore>
   5. Main class: StoreApplication.java
   6. Dabase input path: src/main/resources/ducle/videoStore/
   7. Dabase output path: src/main/resources/ducle/videoStore/output
   8. Required input files:
      1. admins.txt (admin accounts details)
         1. Default username: **admin**
         2. Default password: **sudo**
      2. customers.txt
      3. items.txt
   9. **Please note that output files will be in the separate output folder, you will need to manually copy & paste them onto the input files if you wish to update the database.**
2. Showcase
   1. Store home page
      1. Login section

A screenshot of a computer screen

Description automatically generated with low confidence

* 1. Admin view
     1. Manage items tab  
        A screenshot of a computer

        Description automatically generated with medium confidence
        1. Specifications:
           1. Table view
           2. Default sort by ID, built-in sort for each column
           3. Search bar
           4. Add new item
           5. Update selected item
           6. Delete selected item
           7. Display by group (all, out-of-stock, in-stock)
           8. Interactive output label
        2. Add item dialog  
           A screenshot of a computer

           Description automatically generated
        3. Update item dialog  
           A screenshot of a computer

           Description automatically generated
     2. Manage customers tab  
        A screenshot of a computer

        Description automatically generated with medium confidence
        1. Specifications:
           1. Table view
           2. Default sort by ID, built-in sort for each column
           3. Search bar
           4. Add new customer
           5. Update selected customer with logic for handling promotion/demotion.
           6. Delete selected customer, also returns all rented items
           7. Display by group (all, guest, regular, vip)
           8. Interactive output label
        2. Add customer dialog  
           A screenshot of a computer

           Description automatically generated with medium confidence
        3. Update customer dialog  
           A screenshot of a computer

           Description automatically generated with medium confidence
     3. Profile tab  
        A screenshot of a computer

        Description automatically generated with medium confidence
  2. Customer view
     1. Rental tab  
        A screenshot of a computer

        Description automatically generated
        1. Specifications:
           1. Top table view for store wares
           2. Bottom table view for customer inventory
           3. Default sorted by ID, built-in sort for each column
           4. Search bar for each table
           5. Rent in-stock items from the store.
           6. Renting logic for each type of customers.
           7. Return items from inventory.
           8. Display items by group for store table
     2. Profile tab  
        A screenshot of a computer

        Description automatically generated with medium confidence  
        Only admin can modify customers ID and type
  3. Databases are updated to output files when a user logs out  
     A screenshot of a computer

     Description automatically generated with medium confidence A picture containing text, font, screenshot

     Description automatically generated A screenshot of a computer

     Description automatically generated  
     **Please note that output files will be in the separate output folder, you will need to manually copy & paste them onto the input files if you wish to update the database.**