Functionality

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| No | Functionality | Implementation details |
| 1 | Application Landing Page   1. Displays welcome message 2. Options to user –    1. Create new user    2. Login with existing user    3. Exit | File Name – main.py |
| 2 | Create New User   1. User can create new user by entering User Name, Password and Role. Role could be Admin or customer. 2. Validation – To check if user exists 3. Display welcome message to user with role details | File Name – Login.py  Data file to store user details -userData .txt  Class - userLogin |
| 3 | To login with existing user   1. Validation – To check if user exists |
| 4 | Admin user logged in-   1. Update Product Category 2. Update Product Catalogue | File Name – ProductCatalogue.py  Inherited Class - class adminUser  Base Class – productCatalog |
| 5 | Update Product category  User can see list of available product categories and will get get prompt to create new category | File Name – ProductCatalogue.py  Data file to store user details -ProductCatalog.txt  <Product catagory>.txt  Inherited Class - class adminUser  Base Class – productCatalog |
| 6 | Update Product Catalogue   1. User can see list of product categories 2. From given list user needs to select one category 3. Then user can enter new product name and price | File Name – ProductCatalogue.py  Data file to store user details -ProductCatalog.txt  <Product catagory>.txt  Inherited Class - class adminUser  Base Class – productCatalog |
| 7 | Customer Logged in-   1. Customer will see list of available product categories. 2. User can select one category 3. From selected category user will get list of products available for purchase | File Name – ProductCatalogue.py  Data file to store user details -ProductCatalog.txt  <Product catagory>.txt  Inherited Class - class customerUser  Base Class – productCatalog |
| 8 | Customer Logged in- Add to Cart and Checkout   1. After selecting product, it will get added to the cart. 2. Customer will get option to add more items to cart or check out | File Name – ProductCatalogue.py  Data file to store user details -ProductCatalog.txt  <Product catagory>.txt  Inherited Class - class customerUser  Base Class – productCatalog |
| 9 | Checkout –   1. Entire cart with total amount will get displayed 2. List of payment options will get displayed 3. User can select payment option and then transaction will get completed 4. Cart will get empty. | File Name – ProductCatalogue.py  Data file to store user details -cart.txt  paymentOptions. txt  Inherited Class - class customerUser  Base Class – productCatalog |