

Advance Python Assessment Test

- Write a program to demonstrate the product management application
- Prepare demonstration of Python product management application under software development principles and follow coding protocols
- In this application all operations using MySQL queries
- Create GUI application using tkinter module
- Make sure each business logic is denoted with appropriate comments and make your code interactive and represent clean and clear output on tkinter screen.
- These application contain two modules
 - ☐ Product Manager
 - ☐ Customer
- Perform below operations
- Product manager
 - ☐ Can Register
 - ☐ Can Login
 - ☐ Can manage all product stocks
 - ☐ Can View all stocks
- Customer
 - ☐ Can register
 - ☐ Can Login
 - ☐ Can purchase stock
 - ☐ Can view all orders
- Design forms in tkinter based GUI application and accept all values

Registration Form

Please enter details below

Name *

Contact *

Email *

Gender * ☐ Male ☐ Female

City *

State *

Register

- Store all data in MySQL database create separate file for database connection.

- Make sure this code implements using oops concepts only
- Manage proper naming convention – create appropriate objects name.
- Implement common fields using inheritance concepts only and make it more readable. Balance field must be private only customer can access this field
- Use encapsulation concept in this project
- create separate file for all business logics and make them reusable - use modules concepts with class ,object functionality for implements above logic
- Make sure validation proper given – each options - display appropriate message if user enter invalid input and accept values again and again - use looping concepts and string inbuilt methods concepts in this logic implementation

Registration Form

Please enter details below

Name *

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City *

State *

fill the empty field!!!

Register

- **Make sure code prevent from unexpected exception return to the previous menu and accept all details again.**
- **Make sure Database normalize manage in this project work**
- **After execution of each option confirmation message must be displayed.**
- **Remove option must ask to user for question id to delete and again ask for confirmation (Y/N) before deletion and display proper message after deletion**
- **Program should not be terminated till the user Exit it**
- **Developer needs to test his product before launching it into the market**
- **After completion this project upload it on GitHub**
 - **Upload all features in develop branch after completion all features merge it with main branch**