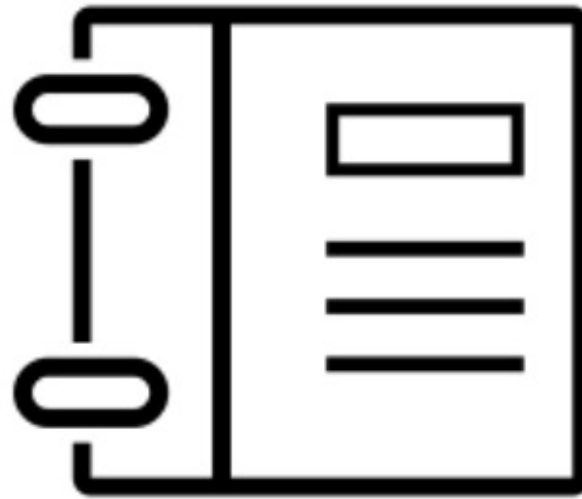
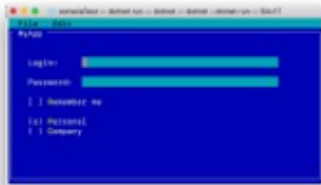


# PROJECTS CATALOG



## TRANSACTIONAL SYSTEM

- Business Application
- Python console-based
- Type Users: Admin and Regular
- DB Operations: CRUD (create, read, update and delete)
- Report-Data-Structures availability



## ANALYTICAL SYSTEM

- Business Application (scope per group);
- Python console-based;
- Analytical Reports (python-library based);



- Deliverables : Python project (source code + data storage file (s))
- Each group (max: 4 members) will choose 1 scope and no more than 2 groups will have the same topic.
- Evaluation Process : 1:1 Session : Individual (50%) and Group (50%)



## P1 : Walk-in Clinic System

- The system will allow record patients profile
- The system will allow record doctors profile
- The system will allow record appointments (patient and doctors)
- The system will allow record prescriptions assigned to patients by doctors
- The system will allow the staff to extract reports from the system (reports : table + graph)
- All records on the system will allow audit (data storage is needed) by the user Admin



## P2 : Ecommerce System

- The system will allow record products
- The system will allow record products-price
- The system will allow record customer profile
- The system will allow record the purchase (products + customer + price + data time)
- The system will allow the staff to extract reports from the system (reports : table + graph)
- All records on the system will allow audit (data storage is needed)



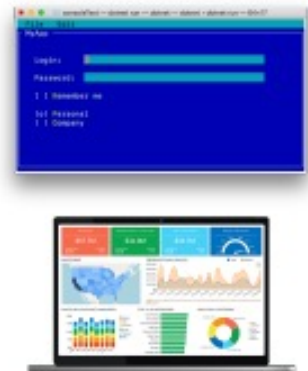
### P3 : Travel Agency System

- The system will allow record locations profile
- The system will allow record customers profile
- The system will allow record booking (customer – locations – price – date period)
- The system will allow the staff to extract reports from the system (reports : table + graph)
- All records on the system will allow audit (data storage is needed)



### P4 : Logistics Control System

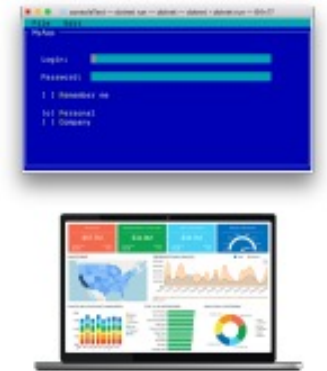
- The system will allow record product profile
- The system will allow record vehicles profile
- The system will allow record locations profile
- The system will allow record customer profile
- The system will allow record the packs (products bought by the customer)
- The system will allow record the route (customer-vehicle-pack-locations)
- The system will allow the staff to extract reports from the system (reports : table + graph)
- All records on the system will allow audit (data storage is needed)





## P5 : Real State Rental-System

- The system will allow record building (set of apartments) profile
- The system will allow record tenants profile
- The system will allow record the rent ( tenant - apartment – period of time - price)
- The system will allow record monthly payment (rent – date)
- The system will allow the staff to extract reports from the system (reports : table + graph)
- All records on the system will allow audit (data storage is needed)



## P6 : Academic Control System

- The system will allow record students profile
- The system will allow record instructors profile
- The system will allow record courses profile
- The system will allow record classes (students – instructor – course - date time)
- The system will allow the staff to extract reports from the system (reports : table + graph)
- All records on the system will allow audit (data storage is needed)



## P7 : Streaming Catalog System

- The system will allow record movies profile
- The system will allow record series profile
- The system will allow record movie or series category profile
- The system will allow record streaming execution ( movies or series – customer – date time)
- The system will allow the staff to extract reports from the system (reports : table + graph)
- All records on the system will allow audit (data storage is needed)

