Group C 10/04/2021

Functional Analysis

To create a program coherent to the requests, the following functionalities must be integrated in the program itself:

Login in panel:

-Username  
-Password

Visualize residents and workers (label)

“tempo/time” button that flows month per month:

- calculation of the Monthly salary for each subject

- Tax payment:  
 o A 10% share of the salary if it amounts to 100 dinars per month  
 o A 15% share of the salary if it amounts from 100 to 500 dinars per month  
 o A 23% share of the salary if it amounts to 500+ dinars per month  
- Insolvent check and removal from the residents list  
- calculation of the possible theft to the collector

- splitting of the tax income to State and King  
- Country bankruptcy check, if it goes bankrupt:  
 o A war starts and the loot gets calculated  
- Death/birth calculation

Labels that indicate month and year the King’s and the country’s treasure

Labels that show the salary of the county’s workers:  
 - Farmer -300 dinars  
 - Blacksmith -400 dinars  
 - Warrior -450 dinars  
 - Other -300 dinars

Labels that show:

* Total hypotetical monthly tax income
* Lost incomes
* Taxes payed