Readme file

Exercise number 3

We used MVC model –

“View” class-

-contains all GUI preferences

“Model” class-

-contacting between Election’s class and the methods applied

“Controller” class-

-contacting between view and model

Functional class –“Elections” contains:

-Specific qualities

-Vector of all citizens operated by “Set class” we built

-Vector of all parties

-Vector of all ballot boxes

-Writes binary files methods

-Read binary files methods (asked firstly at run)

“CardBox” Generic class contains:

- Specific qualities

-Vector of local citizens

-Vector of votes each party received

-3 possibilities:[Regular ,Military, Corona-Military]

“Party” class contains:

-Specific qualities

-Vector of all candidates

“Citizen class” contains:

- Specific qualities

Exceptions:

-ID inspections: contains only digits, length should be 9 digits

-Age inspections: only 18 years old and above are allowed to vote

Each of the inspections has its exception class

3 derived classes:

“Candidate” class – candidate is a citizen, receive pre-elections votes(primaries grading)

“Soldier” class- connected with a weapon interface

“InfectedWithCorona” class- which is a citizen infected with covid19

“ElectionsView”: interface

-Managing all methods, will be applied next (into user representation)