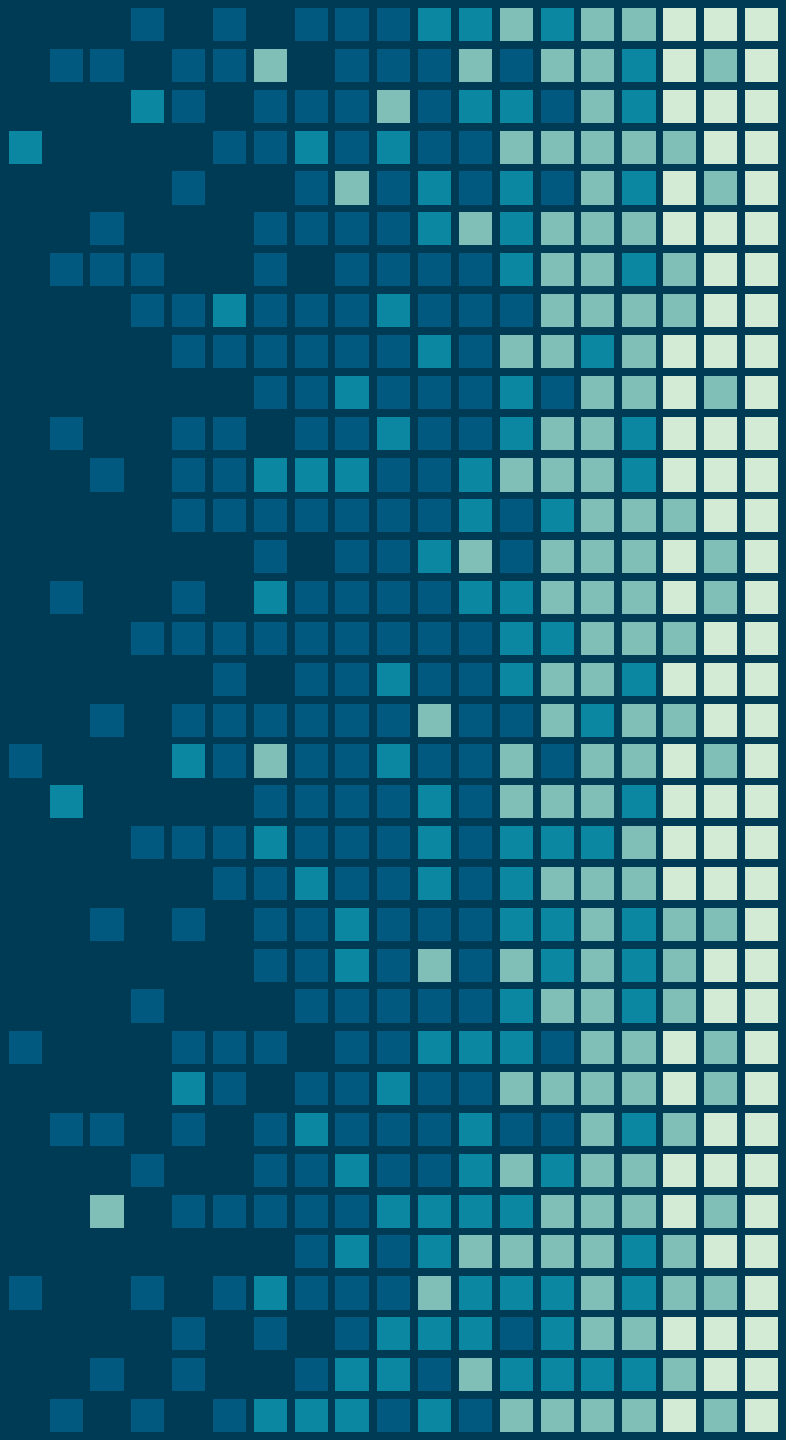
CSE2101 Presentation



Group Members

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Project Plan

The organization's problem and proposed solution.

- **The issue with GECOM is that occasionally a Guyanese citizen who registered to vote but passed away later still appears on the voting list.**
- **Solution-The idea is to create a database that must update a month response time in the voter's list. There are different standard functions of voting management software we have today, for example, electronic voter registration, ballot casting and voter casting. Our database will be an updated version of those standard functions of voting management**

Feasibility and Risk Assessment

- Code issues
- Low productivity
- Not choosing the right technology
- Time frame not being specified for project deliverables
- Lack of testing
- Lack of sufficient resources
- Poor project management/ no meet up

Software Requirements Specification

Functional Requirements

- **To avoid any information being tampered with or deleted only a few persons with a unique ID will have access to the system.**
- **A log will be updated every-time someone log in and out of the system and the times will be provided for other persons who have access to the system.**
- **The system allows the user to filter-out information so that they could easily find what they are looking for faster.**
- **The system would be able to help with issuing ID cards and to count votes.**

Functional Requirements contd.

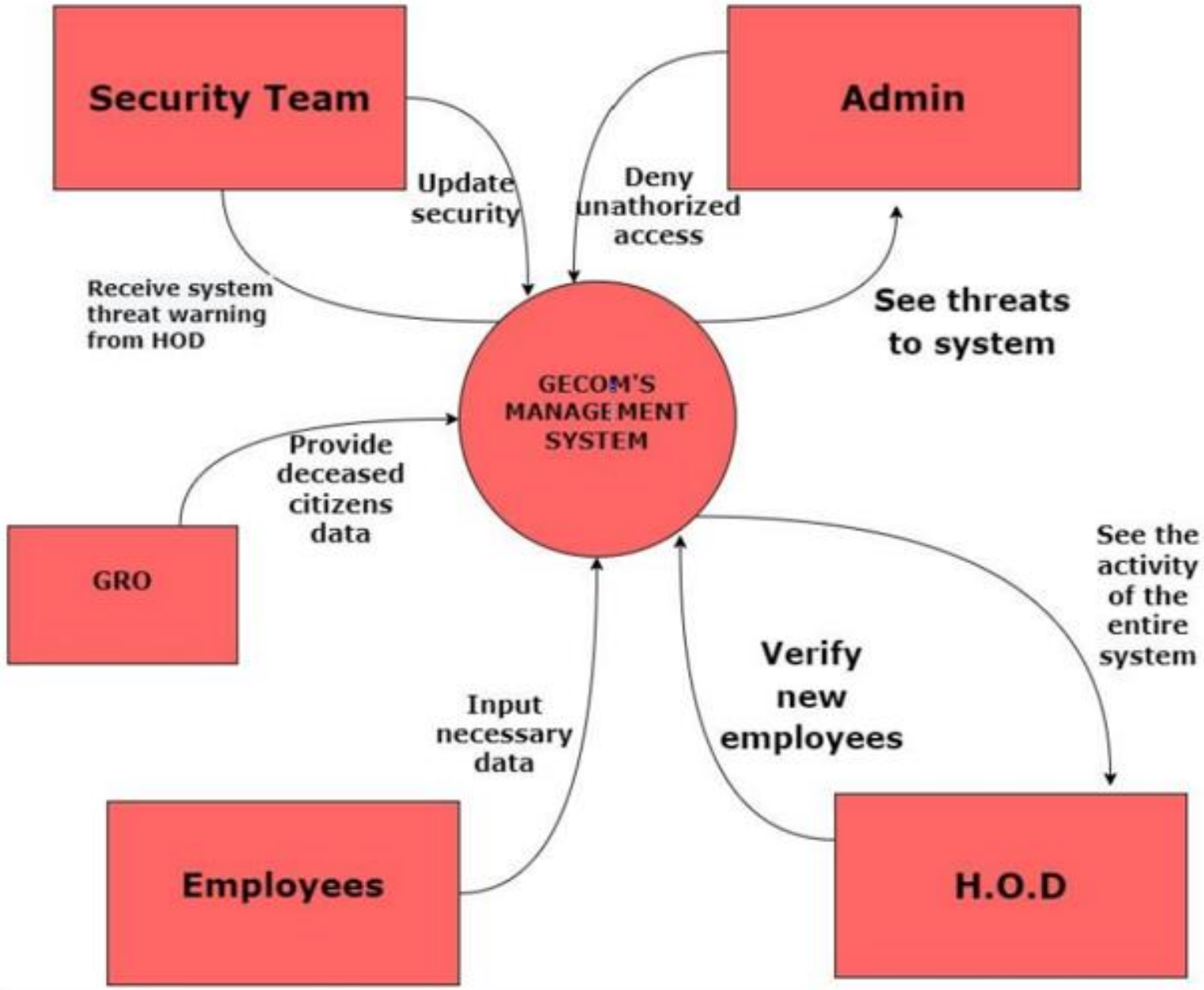
- **The system will provide information on all persons who are eligible to vote**
- **The system shall take records and separate the civilians that are alive from the ones that are deceased once a month.**
- **The system shall be able to load new pages in less than 5 seconds and open different sections of the interface in 3 seconds.**

Non-Functional Requirements

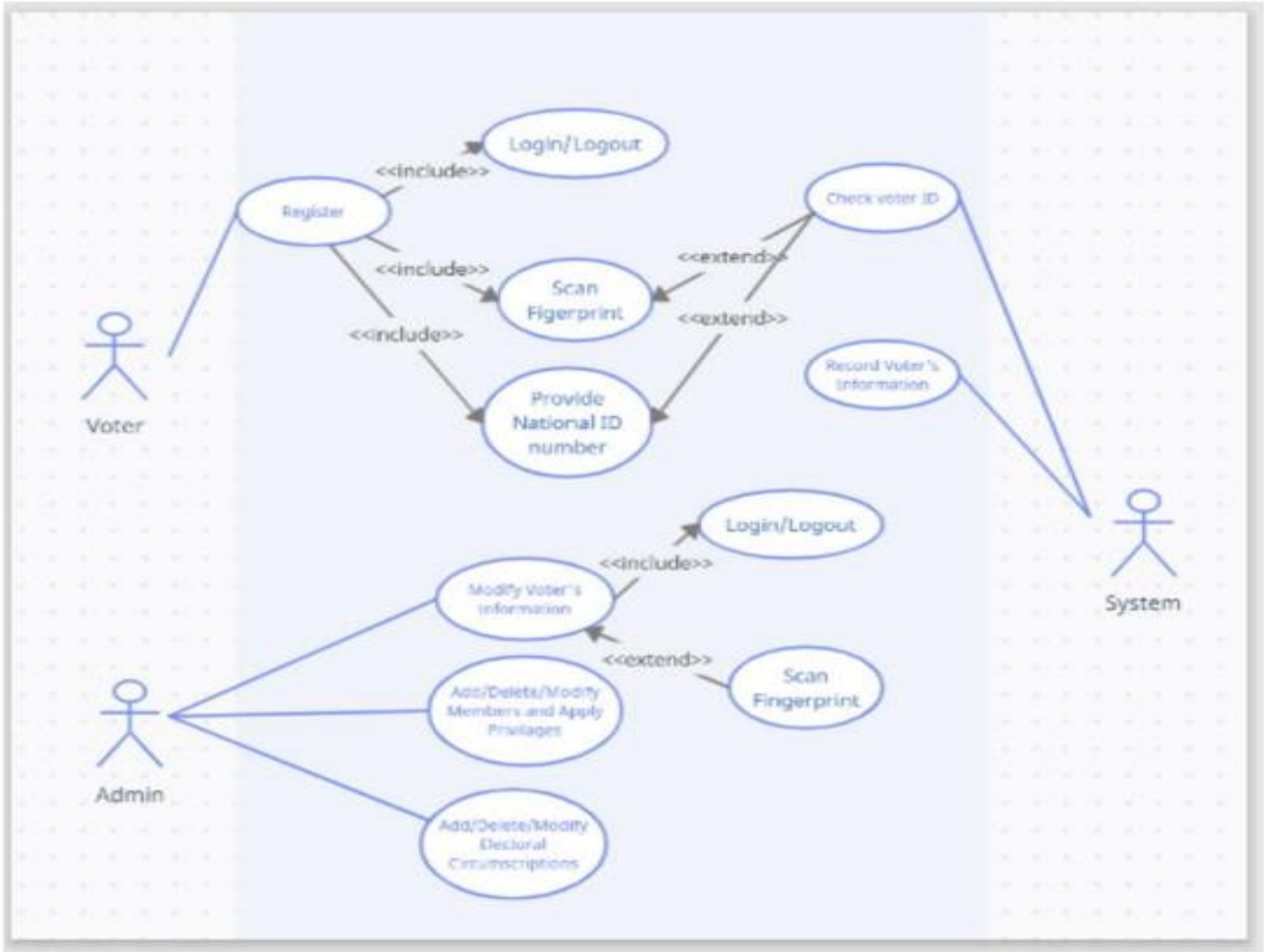
- **An employee will be locked out of their account if they give the wrong badge number 3 times. Unauthorized access to data must be flagged and sent to the security team.**
- **Persons trying to access admin features, if they're not an admin shall be blocked by the system.**
- **The software must support 1000 employees and at least 2000 new names daily.**
- **The system must be able to accommodate at least 600,000 people and their information, as well as fresh data entering the database daily.**

System Design

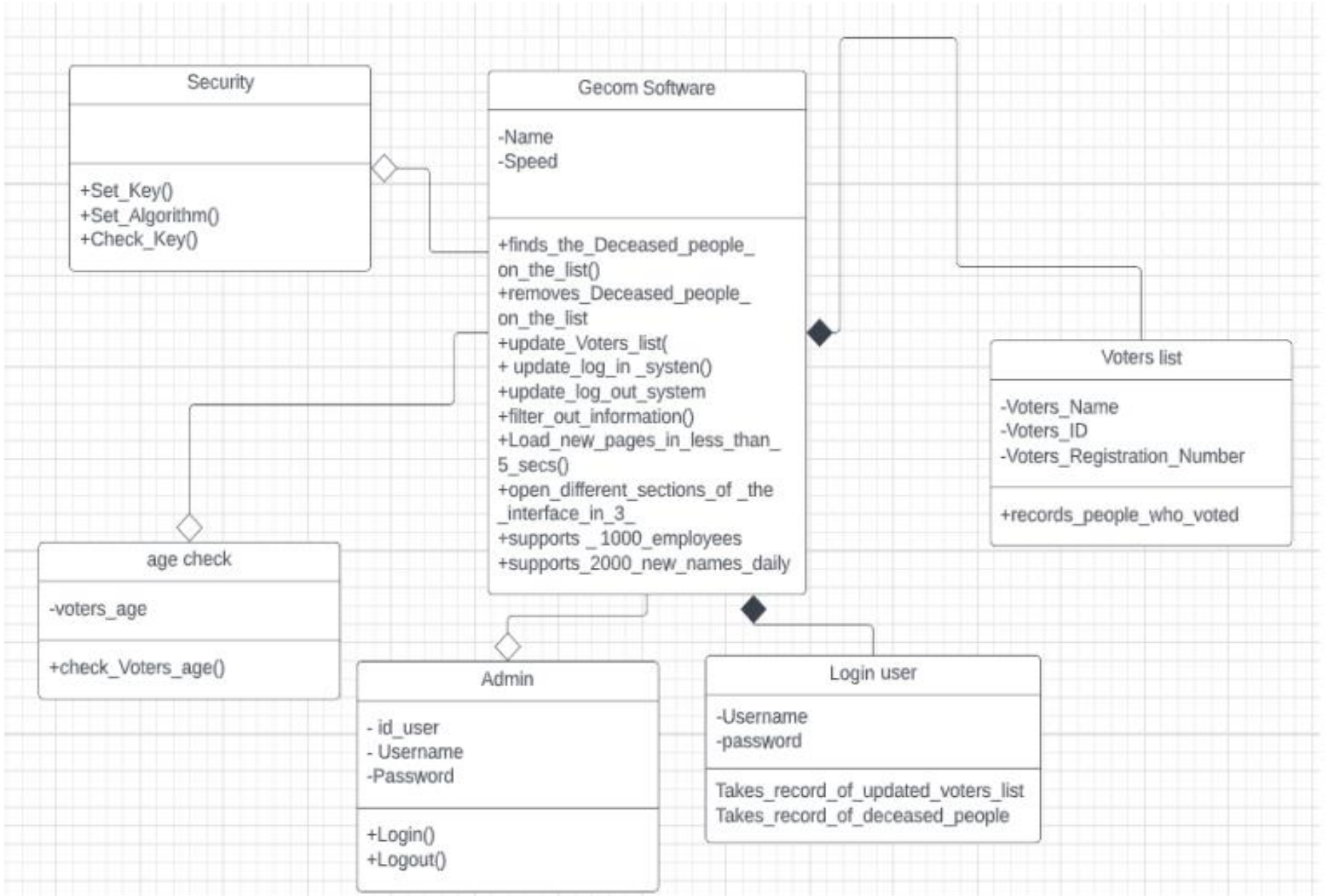
Context Diagram



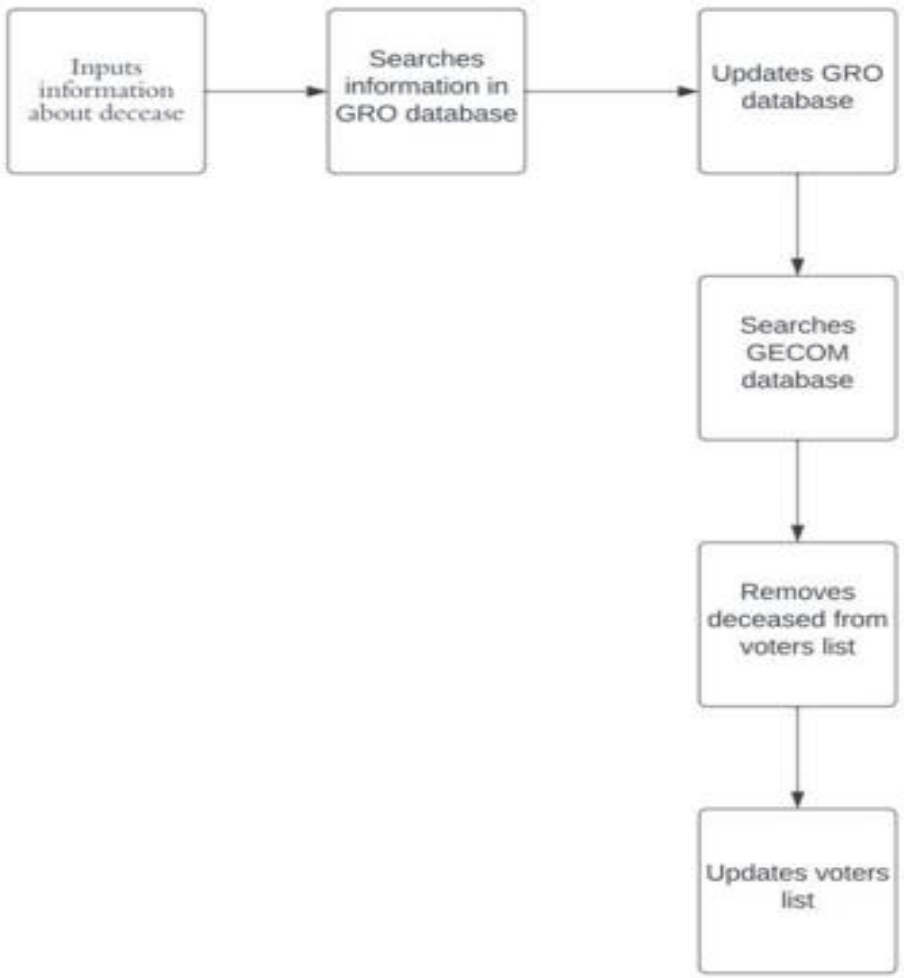
USE CASE MODEL



Class Diagram

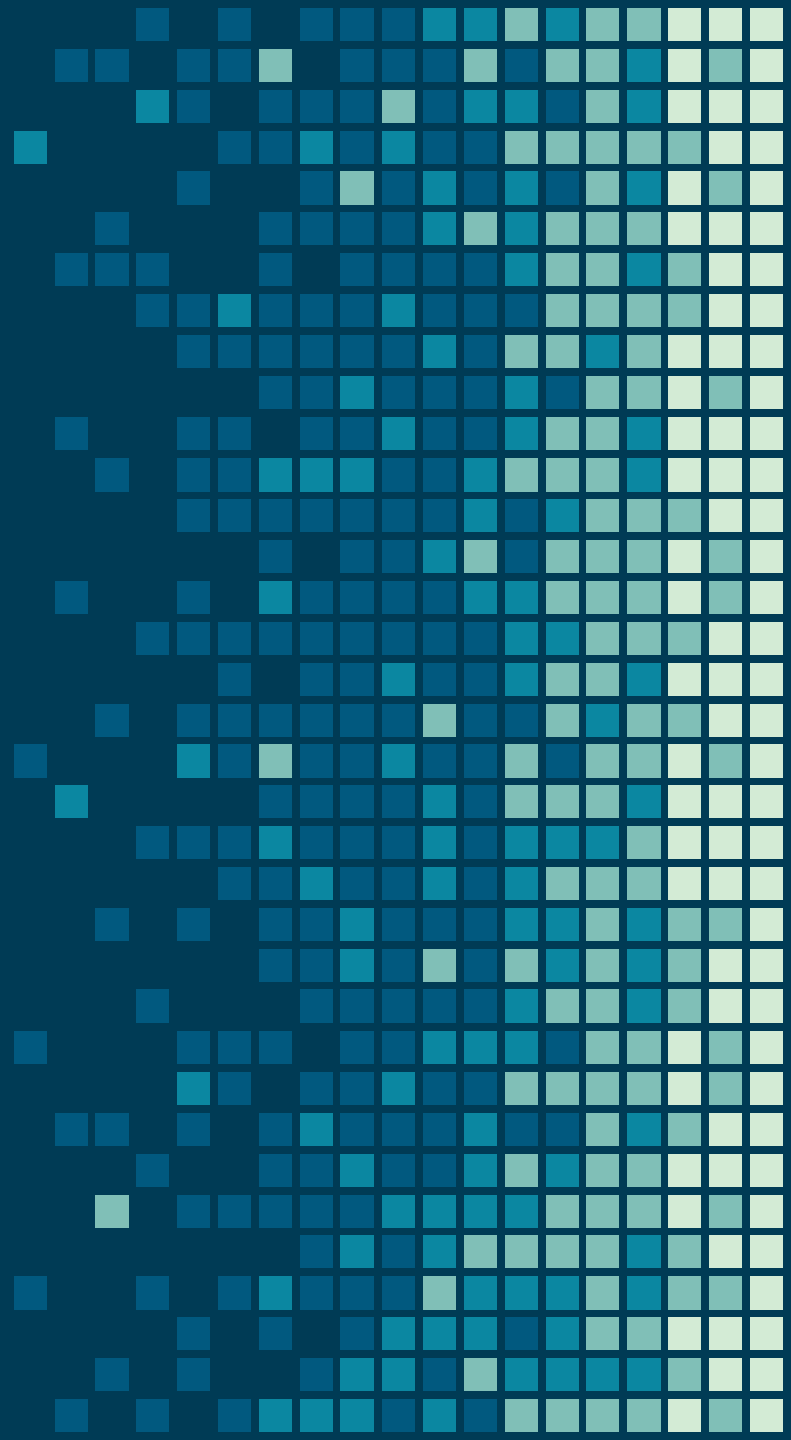


FLOWCHART


Inputs information about decease
Searches information in GRO database
Updates GRO database
Searches GECOM database
Removes deceased from voters list
Updates voters list

System Testing

- The Test Case

Test case ID	**TC_Login_1**
Test priority	**Medium**
Test Title/Name	**Check the functionality of GECOM's admin login page when an invalid username and password is entered.**
Test Summary/ Description	**The major goal of this test case scenario was to determine if the system would be affected by using incorrect credentials. By presenting an error message when improper credentials were submitted, the software replied appropriately, this was clear at the end of the test.**
Pre-conditions	**1.Must be an admin 2.Must be registered prior to testing 3.Program must be running on a pc**
Dependencies	**The user must already be signed up**
Test Steps	**1.Open application 2.Press sign in to admin login page 3.Enter an invalid username 4.Enter an invalid password 5.Press login button**
Test Data	**Username= "JohnDoe" Password="2386"**
Expected Results	**Message box saying Invalid Username or Password, along with an option to reset password.**
Post Condition	**A pop-up box showing the error message will be there until it's closed.**

THE END.