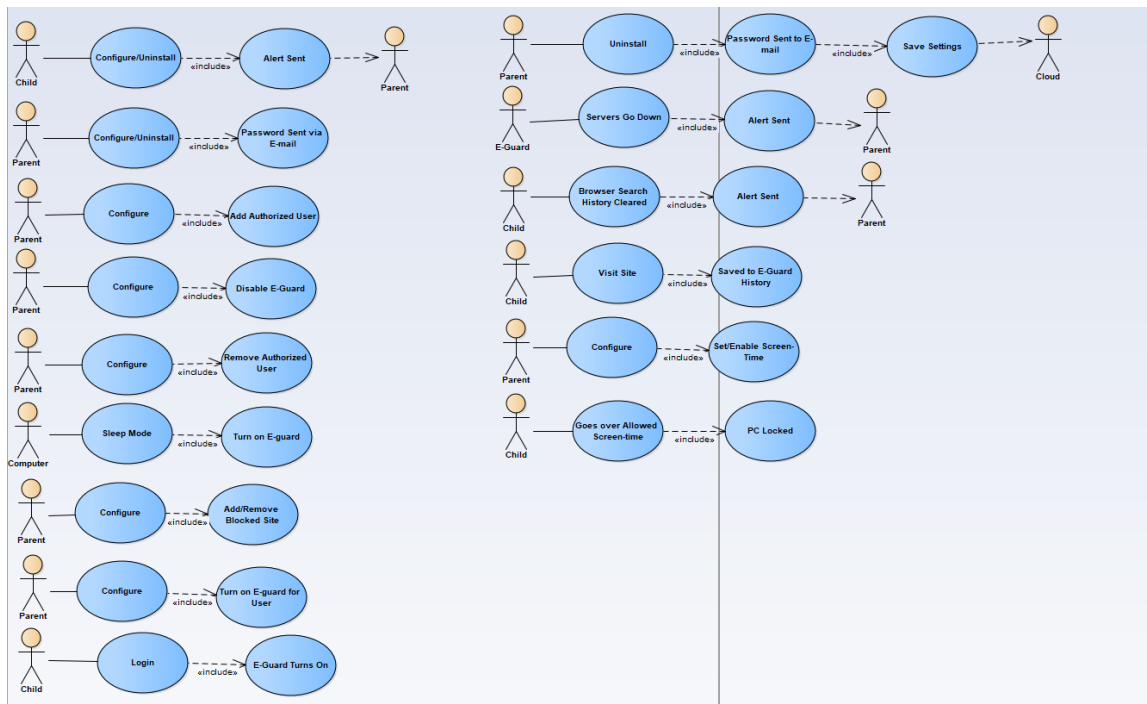


System Requirements

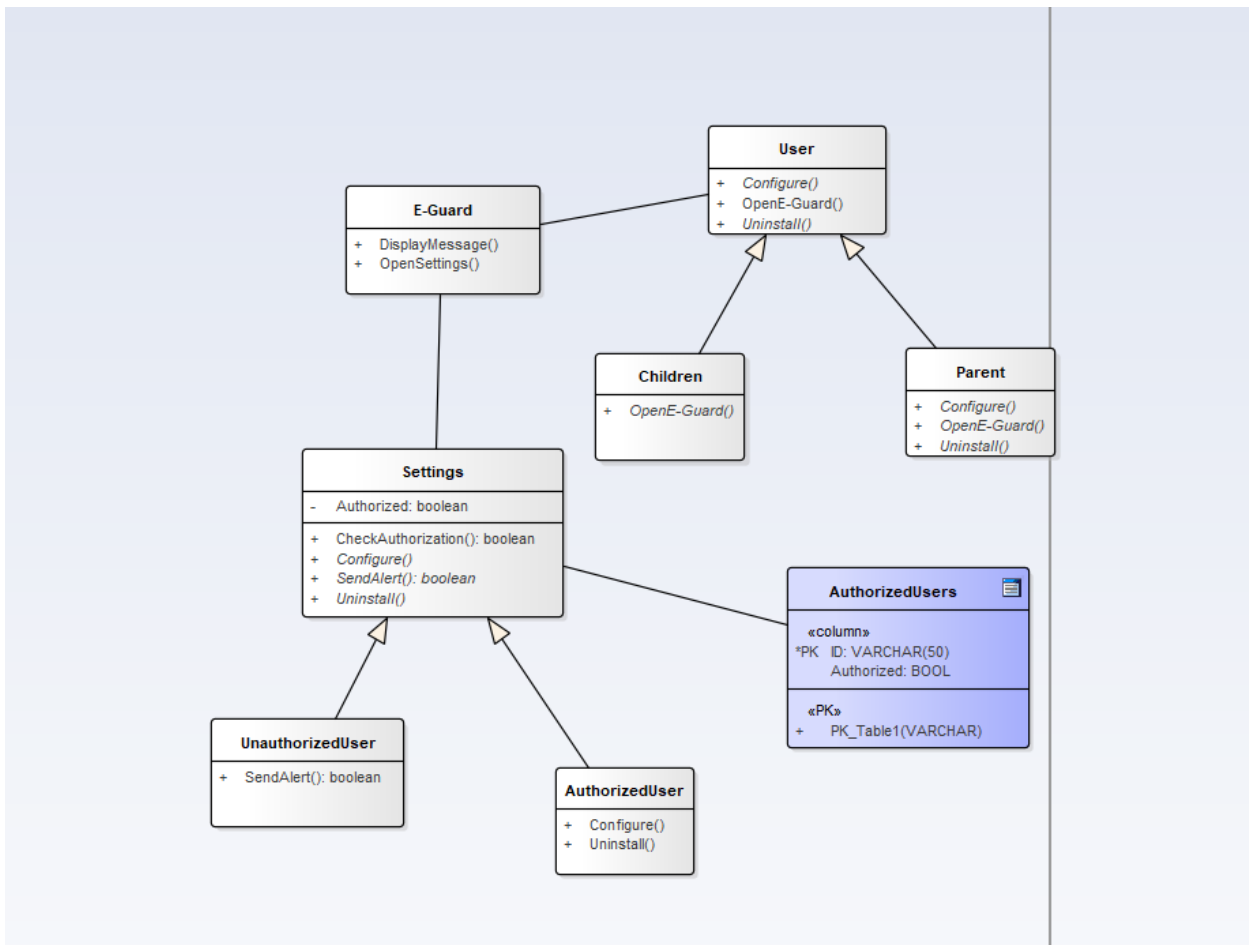
1. Only authorized users have access to the configuration and uninstall

- 1.1 Functional: Alert sent to parent if unauthorized user tries to configure or uninstall
- 1.2 Functional: Uninstall and configure requires one-time passcode sent via email, even on authorized user
- 1.3 Functional: Parent must manually add each authorized user
- 1.4 Functional: Authorized users can disable E-guard for account under configuration
- 1.5 Functional: Parent manually remove authorized user
- 1.6 Functional: If computer goes into sleep mode while on authorized user, automatically enable E-guard
- 1.7 Functional: Add or remove blocked websites in configuration
- 1.8 Functional: Option for authorized users to temporarily turn on e-guard for account
- 1.9 Functional: Unauthorized accounts automatically enable e-guard on login
- 1.10 Functional: Current settings saved to cloud on uninstall
- 1.11 Functional: If E-Guard servers go down, parent sent failsafe alert
- 1.12 Functional: Alert sent to parent if child clears search history
- 1.13 Functional: Search history automatically saved to E-guard as well
- 1.14 Functional: Under configure, restrict screen-time
- 1.15 Functional: Goes over screen-time allowed, locked pc

Use Cases:

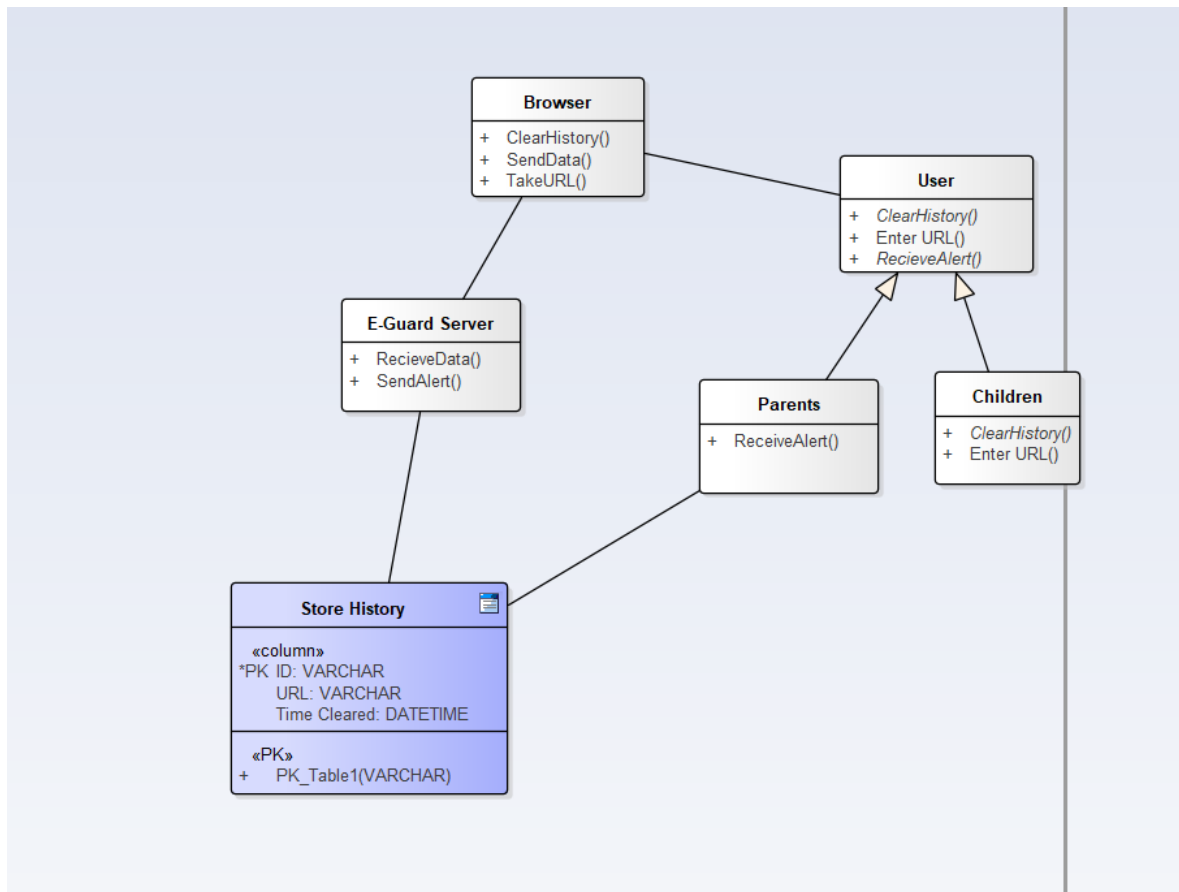


Configure Class Diagram:



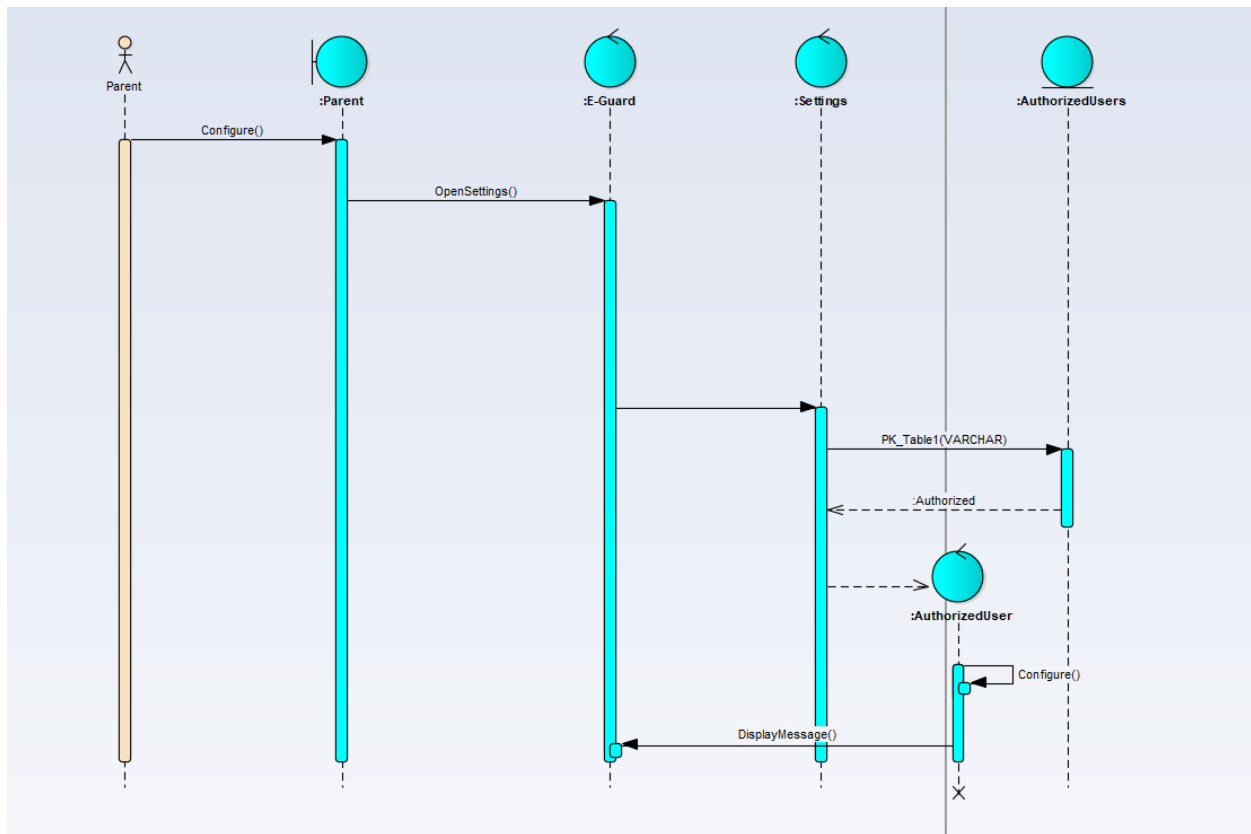
Class Diagram for E-Guard sending alert to parents if an unauthorized user attempts to access the configure or install options.

History Class Diagram:



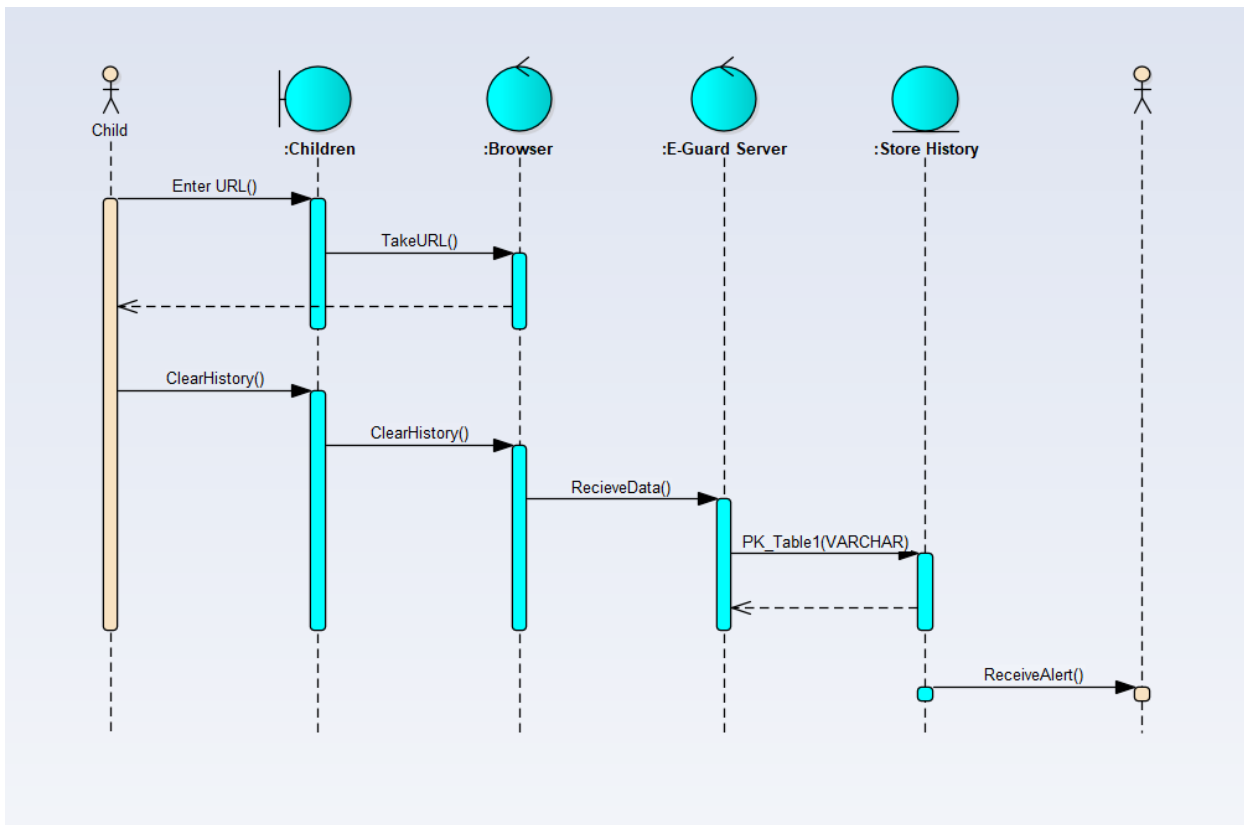
Class Diagram for search history being sent and stored in E-Guard as well as sending an alert to the parent if an unauthorized user clears their search browser history.

Configure Sequence Diagram:



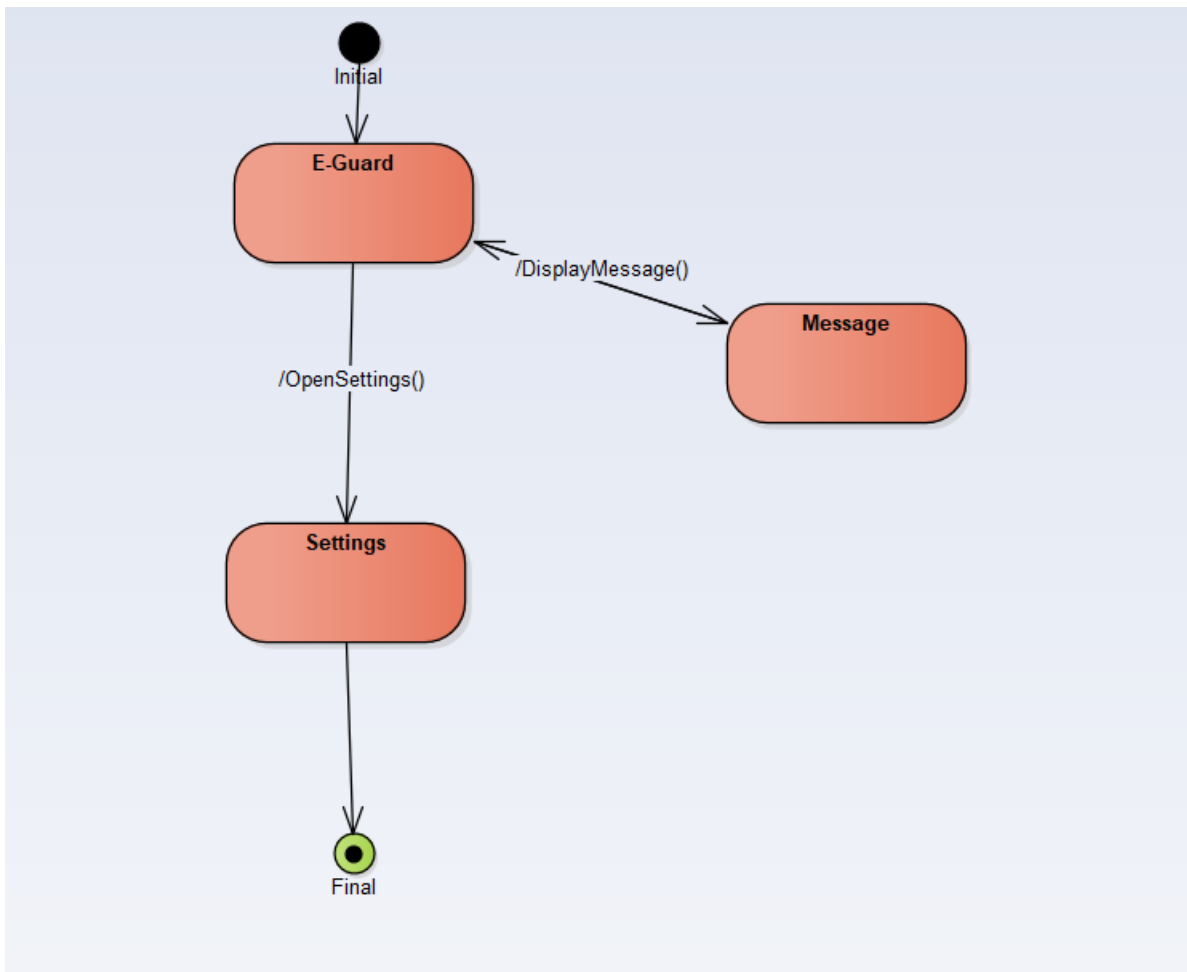
Sequence Diagram for a parent accessing the configure setting for E-Guard, and E-Guard verifying that they are an authorized user.

History Sequence Diagram:



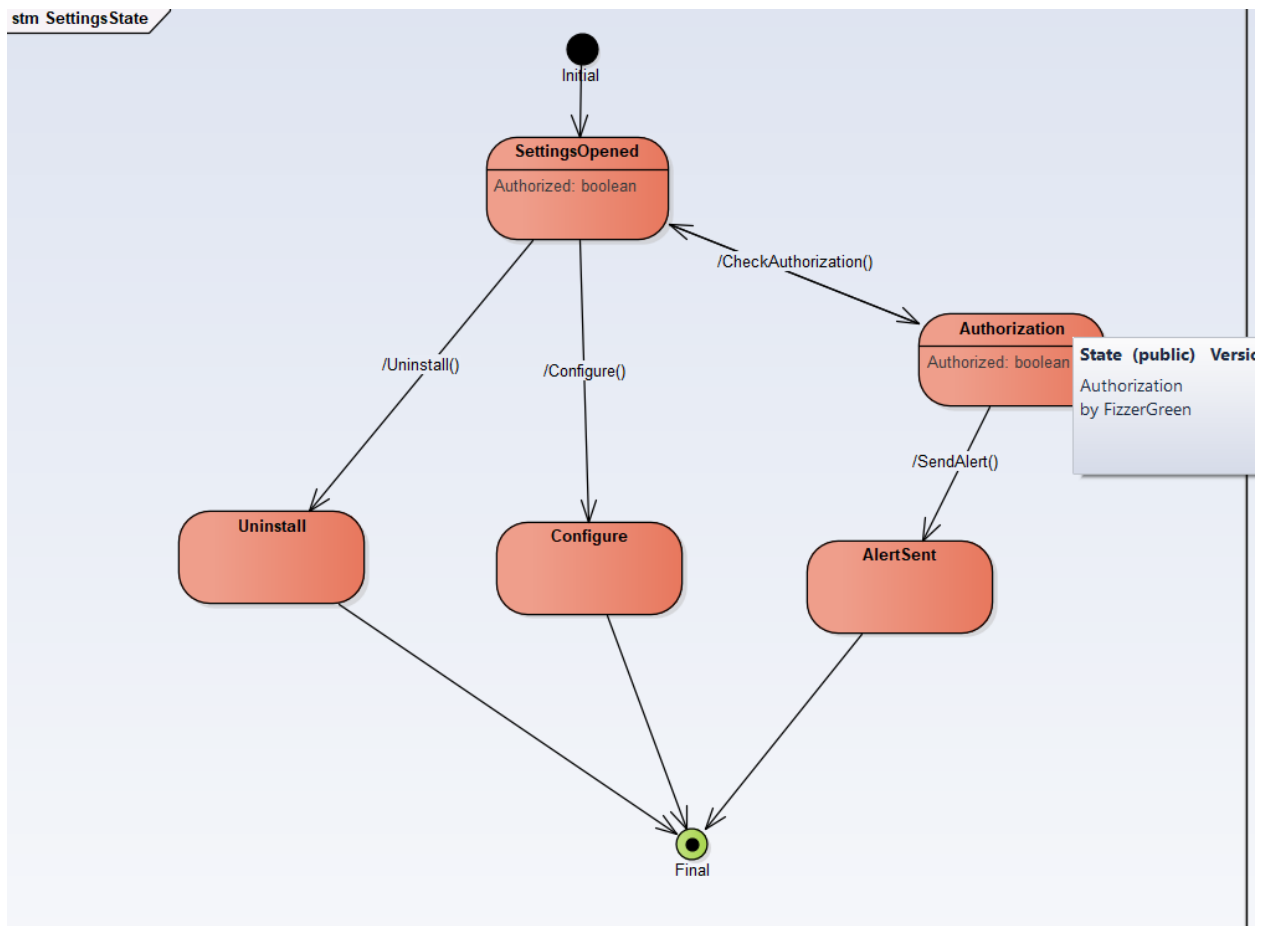
Sequence Diagram for a child visiting a website and then clearing their search history, with the history being saved by E-Guard and an alert being sent to parents.

E-Guard State Diagram:



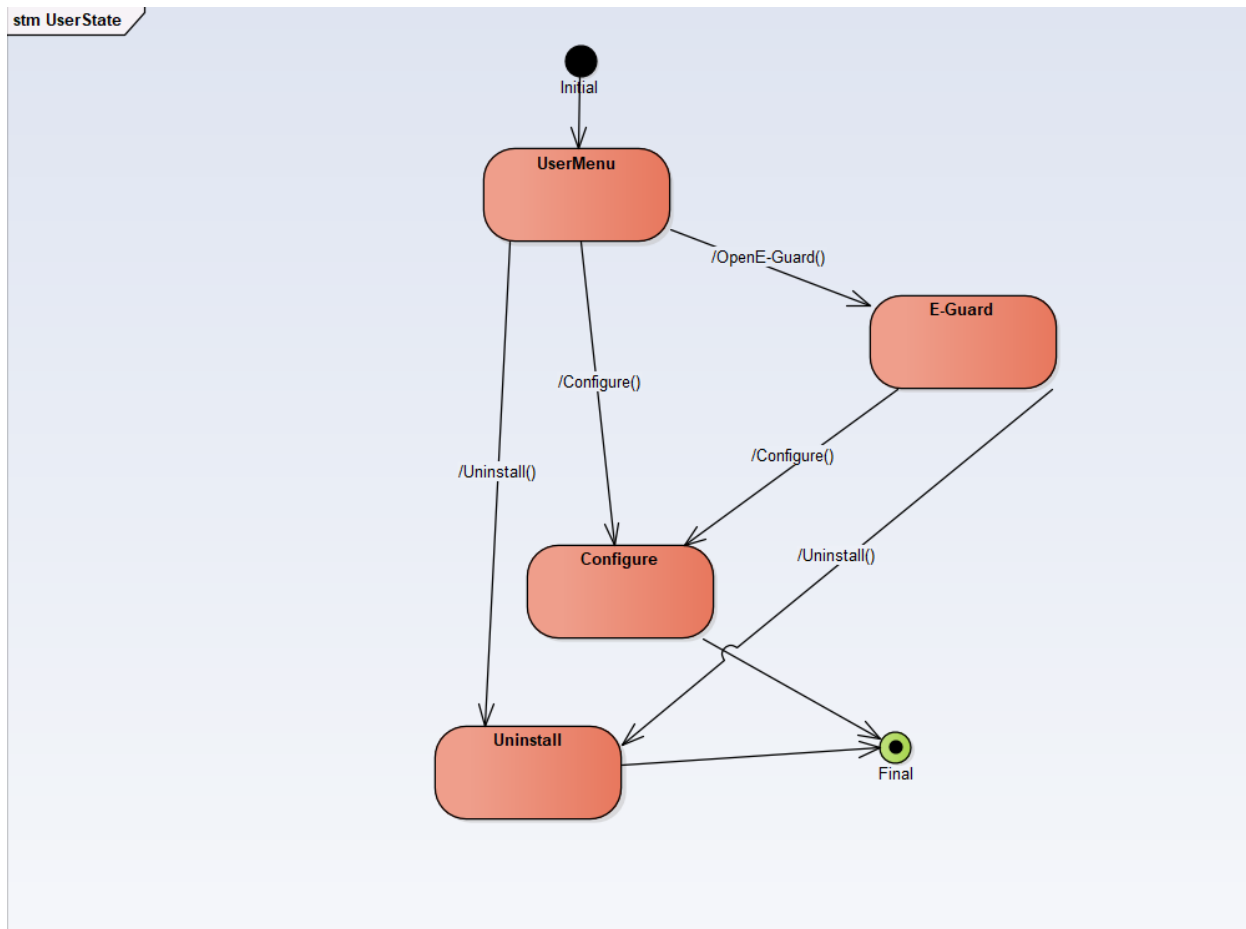
State Diagram for the E-Guard class of the Configure Class Diagram

Settings State Diagram:



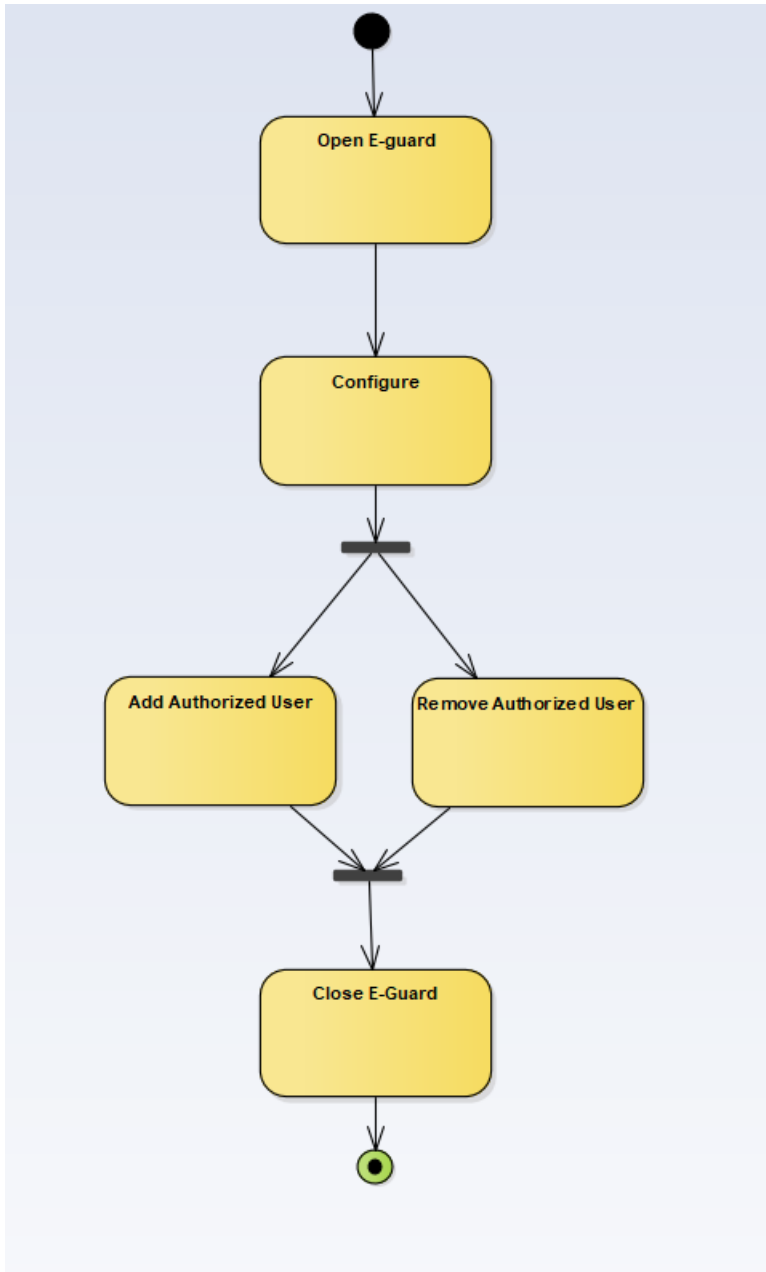
State Diagram for the Settings class of the Configure Class Diagram

User State Diagram:



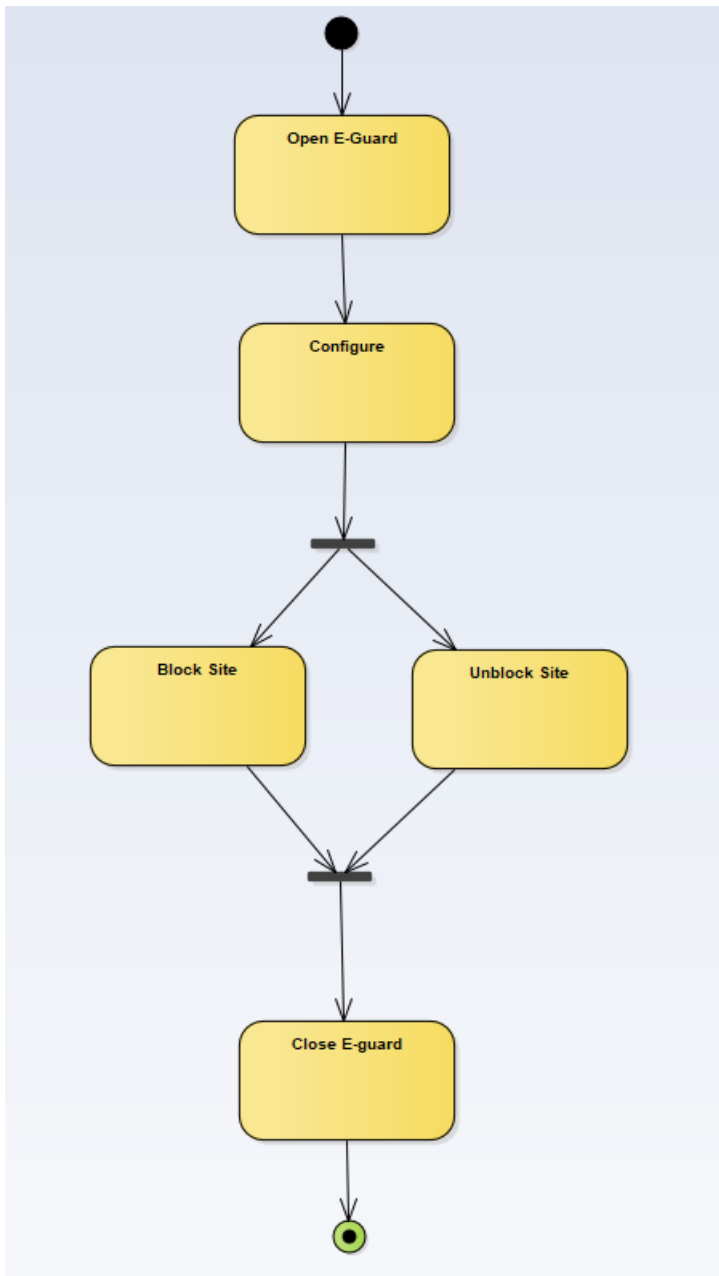
State Diagram for the User class of the Configure Class Diagram

Adding/Removing Authorized Users Activity Diagram:



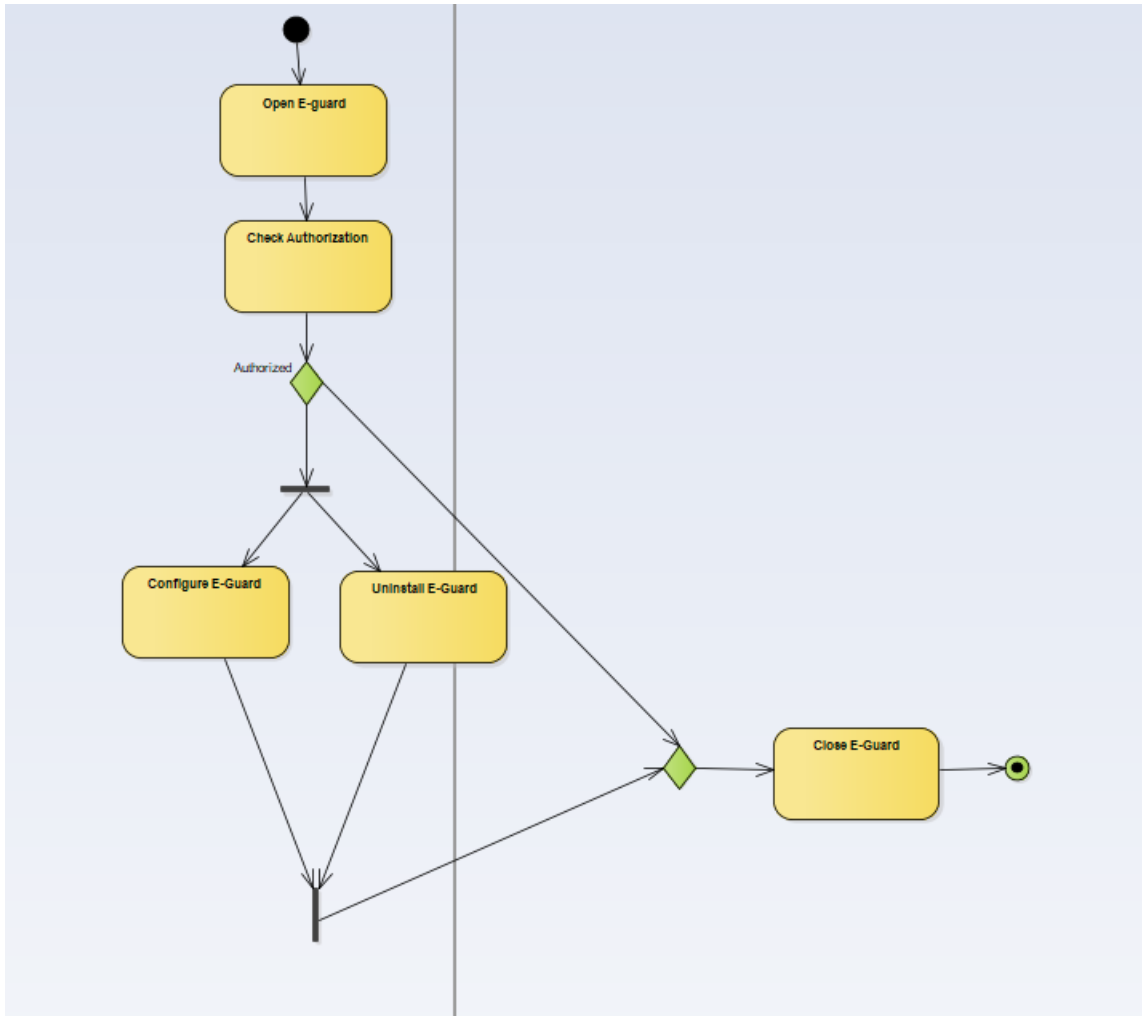
Activity Diagram for a parent either adding or removing an authorized user

Blocking Site Activity Diagram:



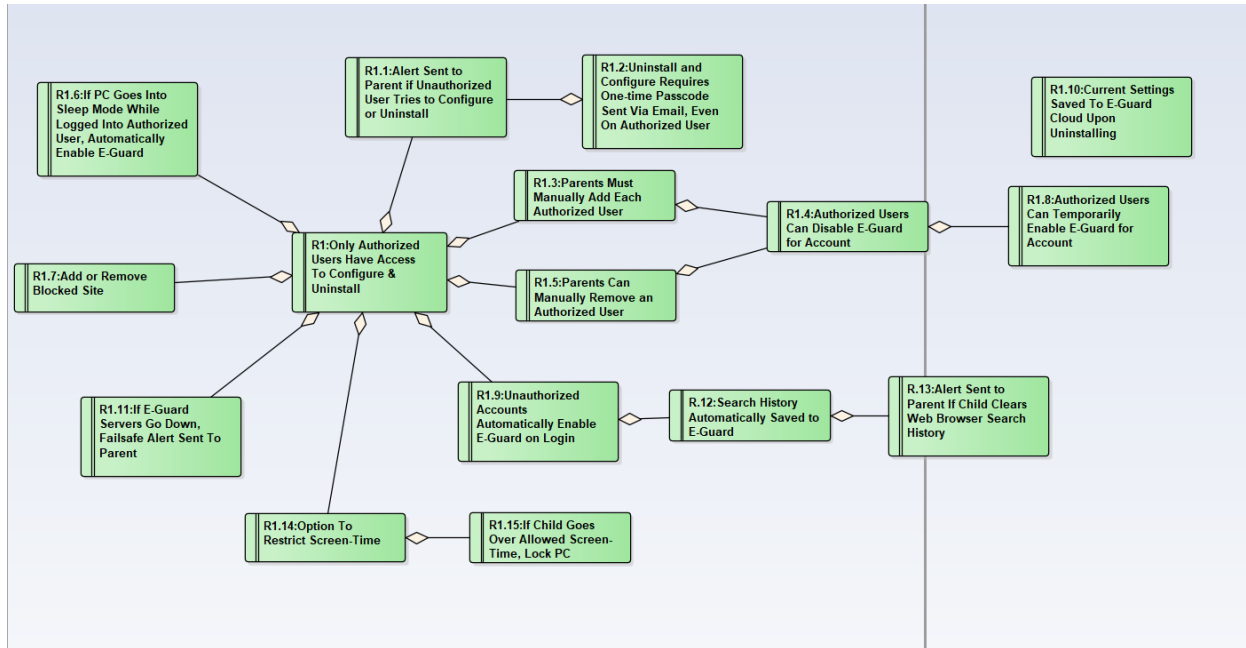
Activity Diagram for a parent either blocking or unblocking a site

Configure Activity Diagram:



Activity Diagram for either allowing a user to configure or uninstall, or sending an alert to parents depending on their authorization status

Requirements Model:



Requirements model for every use case, every requirement is functional