Software Design CSI473 Project Phase II – Q1 & Q2

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NeighBorhood Watch Application

A logo of a university

AI-generated content may be incorrect.

## Access Control Matrix

|  |  |  |  |
| --- | --- | --- | --- |
| **Classes - Actors** | **Administrator** | **Security Officer** | **Neighborhood Watch Member** |
| **User account management** | <> add() remove() approve() reject() |  |  |
| **Dashboard** | login() resetPassword() | login() resetPassword() | login() resetPassword() |
| **Authentication** | Two-Factor Authentication login() |  |  |
| **System Configuration** | Configure() MaintainSetting() |  |  |
| **Self-registration** | approve() reject() |  | self-register() |
| **Patrol Logging** | viewReports() viewLogs() | logPatrol() |  |
| **Patrol History** |  | viewAll() |  |
| **Add Comments** | view() | add() | view() |
| **Emergency Alerts** | receiveAlerts() | receiveAlerts() | raiseAlerts() |
| **Community Interaction** |  |  | post() addComment() |
| **Subscriptions Payments** | viewReports() |  | pay() |
| **Account Suspension** | approveSuspension() | receiveNotification() | autoSuspension() |
| **Notifications** | receiveAlerts() | receivePatrolNotifications() | receiveAlerts() receiveReminders() |
| **Patrol Statistics** |  |  | view() |
| **Offline Functionality** | logPatrolsOffline() | postOffline() | alertOffline() |

## Deployment Diagram

