

HEIMDALL: A DIGITAL THREAT MANAGEMENT  
PLATFORM

Design Manual

by

Killian O'Connor

For IT Carlow

10/2/2020

## Table of Contents

|   |    |
|---|----|
| Table of Contents.....                    | 2  |
| Table of Figures.....                     | 3  |
| 1. Introduction.....                      | 4  |
| 2. Wireframes .....                       | 4  |
| 2.1 Home Page.....                        | 4  |
| 2.2 Admin Page.....                       | 4  |
| 2.3 Reporting Module .....                | 5  |
| 2.4 Active Alerts Page.....               | 5  |
| 2.5 Alert Details .....                   | 6  |
| 2.6 Closed Alerts.....                    | 6  |
| 2.7 AWS S3 Scanner Module Home Page ..... | 7  |
| 2.8 CVE Scanner Module Home Page .....    | 8  |
| 3. Sequence Diagrams.....                 | 8  |
| 3.1 Generic Sequence.....                 | 8  |
| 3.2 Report Generation Sequence.....       | 9  |
| 3.3 Generic Scanner Sequence.....         | 10 |
| 4. ER Diagram .....                       | 11 |

## Table of Figures

|   |    |
|---|----|
| Figure 1, Wireframe: Home Page .....                | 4  |
| Figure 2, Wireframe: Admin Page.....                | 4  |
| Figure 3, Wireframe: Reporting Module.....          | 5  |
| Figure 4, Wireframe: Active Alerts Page.....        | 5  |
| Figure 5, Wireframe: Alert Details View .....       | 6  |
| Figure 6, Wireframe: Closed Alerts.....             | 6  |
| Figure 7, Wireframe: S3 Scanner Home Page.....      | 7  |
| Figure 8, Wireframe: CVE Scanner Home Page.....     | 8  |
| Figure 9, Sequence Diagram: Generic Request.....    | 8  |
| Figure 10, Sequence Diagram: Report Generation..... | 9  |
| Figure 11, Sequence Diagram: Generic Scanner.....   | 10 |
| Figure 12, Entity Relationship Diagram .....        | 11 |

# 1. Wireframes

## 1.1 Home Page

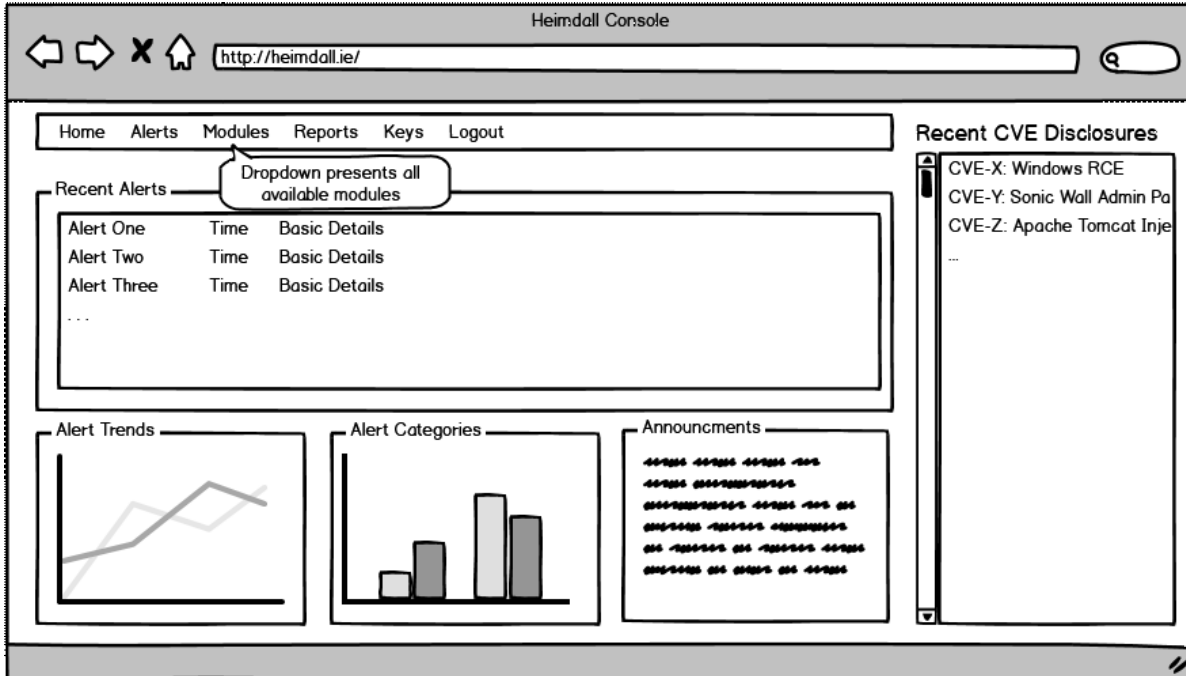


Figure 1, Wireframe: Home Page

## 1.2 Admin Page

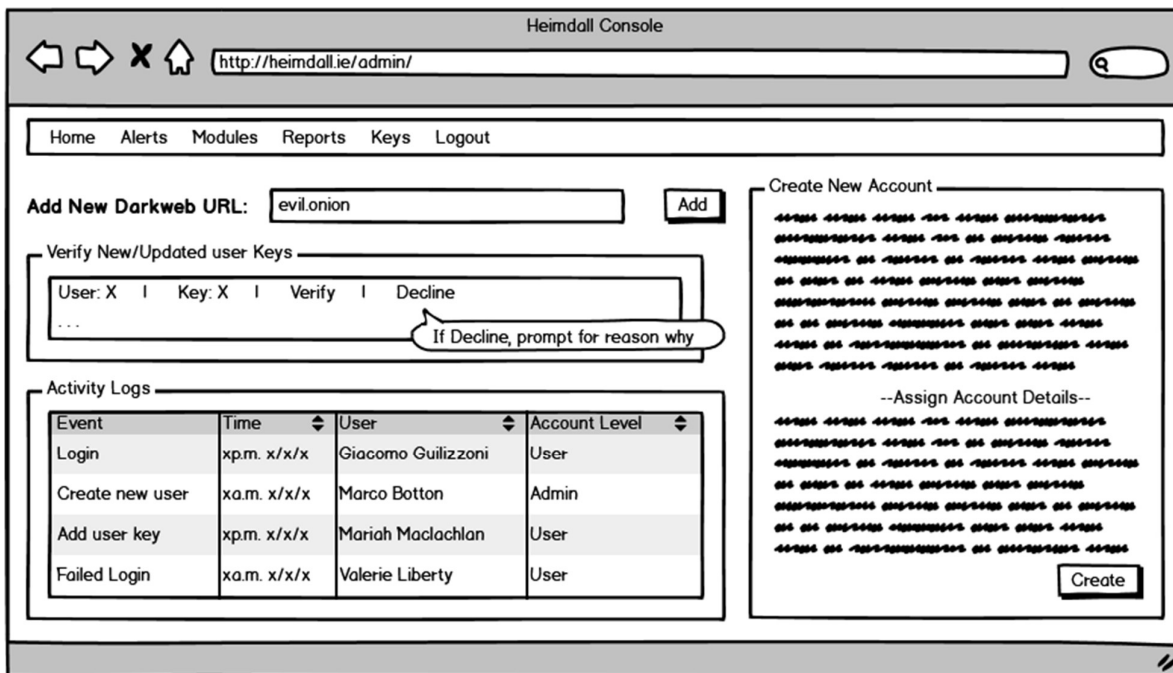


Figure 2, Wireframe: Admin Page

### 1.3 Reporting Module

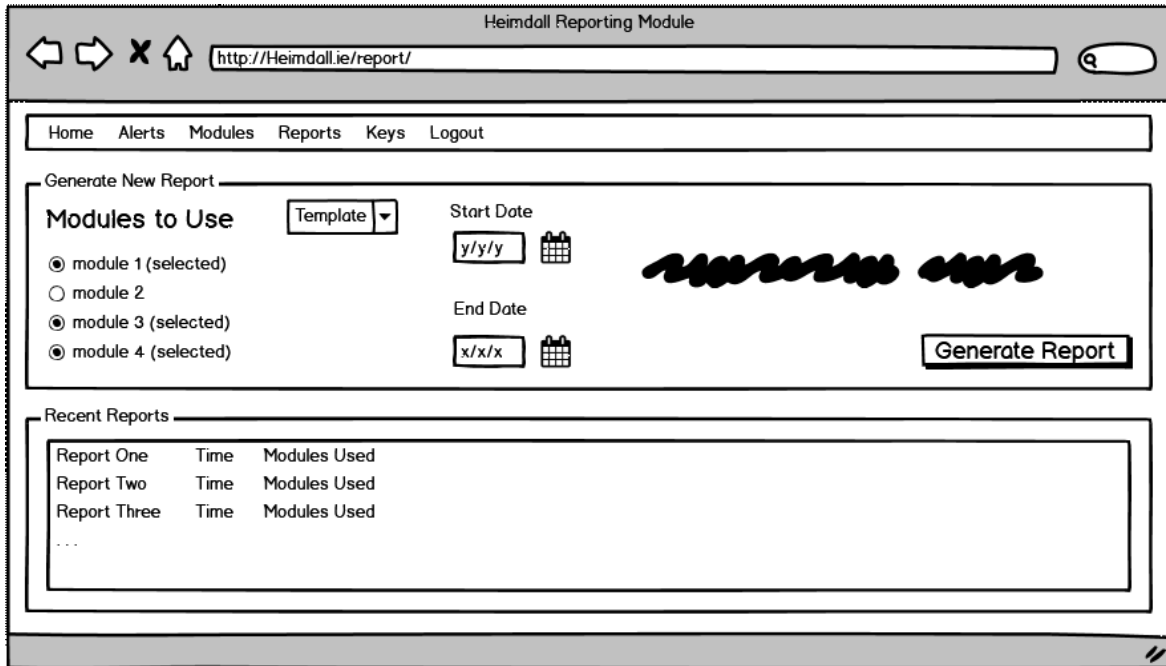


Figure 3, Wireframe: Reporting Module

### 1.4 Active Alerts Page

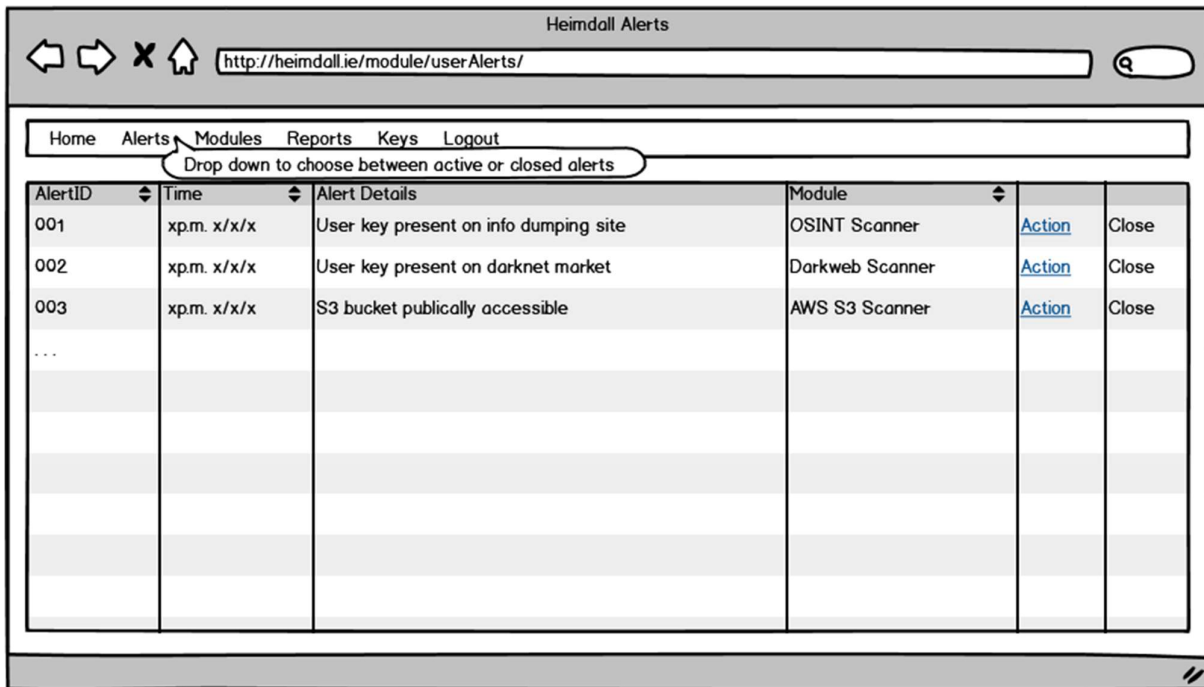


Figure 4, Wireframe: Active Alerts Page

### 1.5 Alert Details

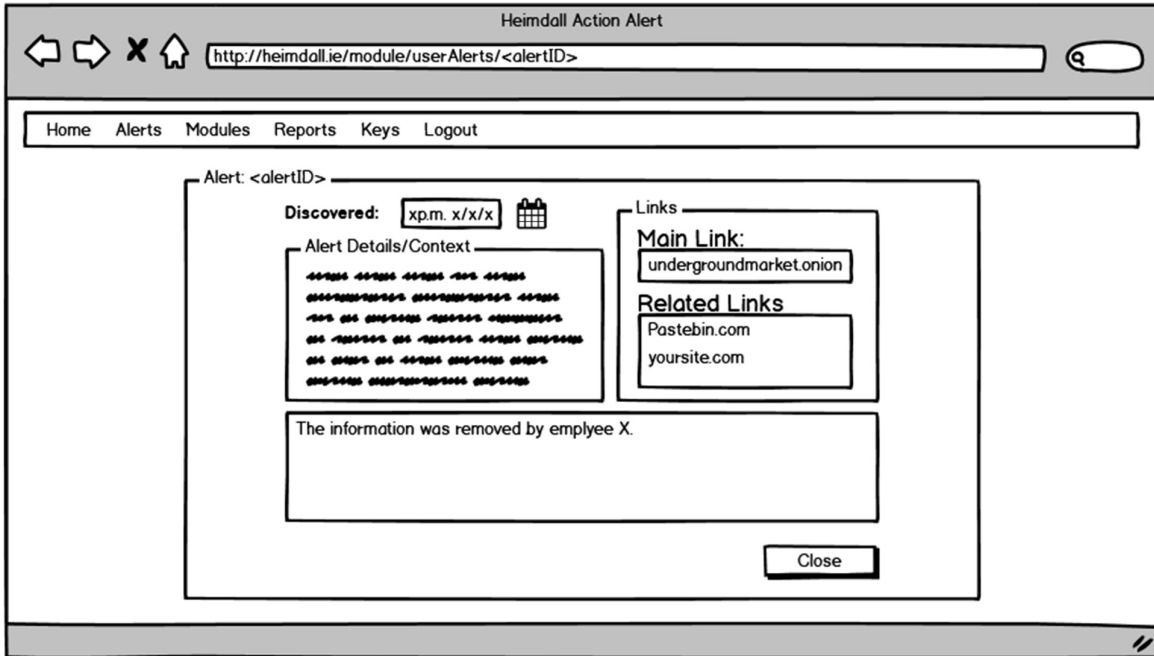


Figure 5, Wireframe: Alert Details View

### 1.6 Closed Alerts

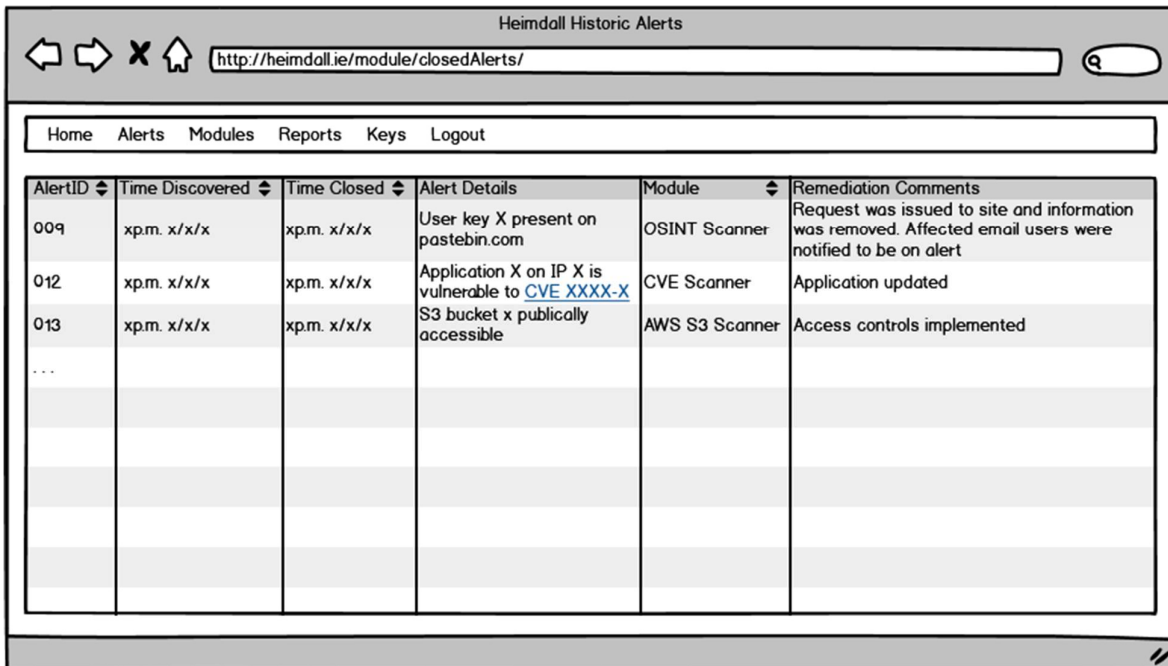


Figure 6, Wireframe: Closed Alerts

## 1.7 AWS S3 Scanner Module Home Page

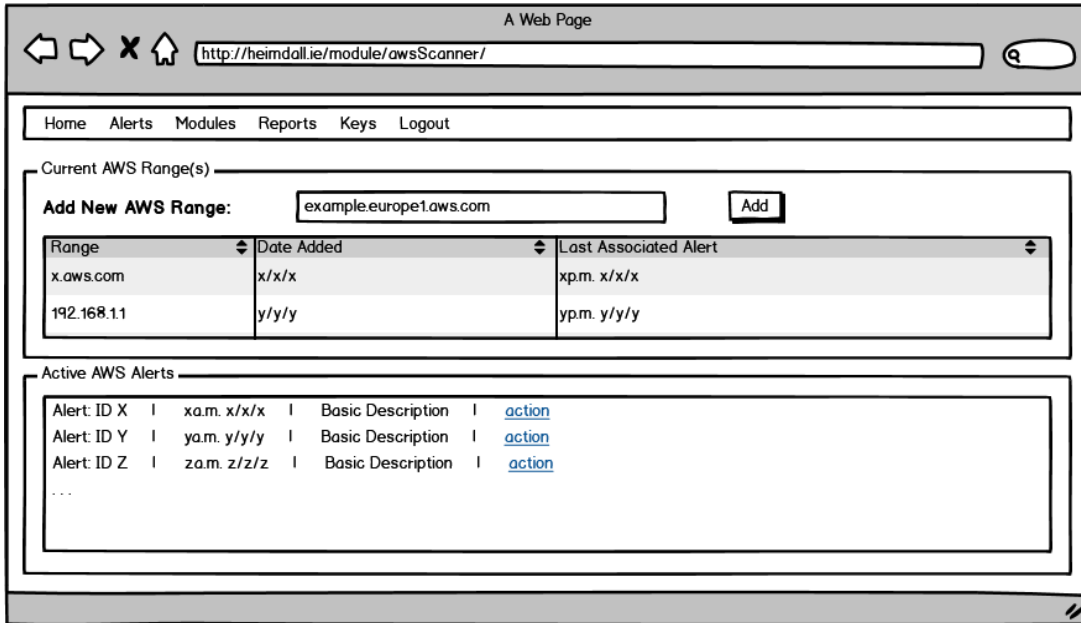


Figure 7, Wireframe: S3 Scanner Home Page

## 1.8 CVE Scanner Module Home Page

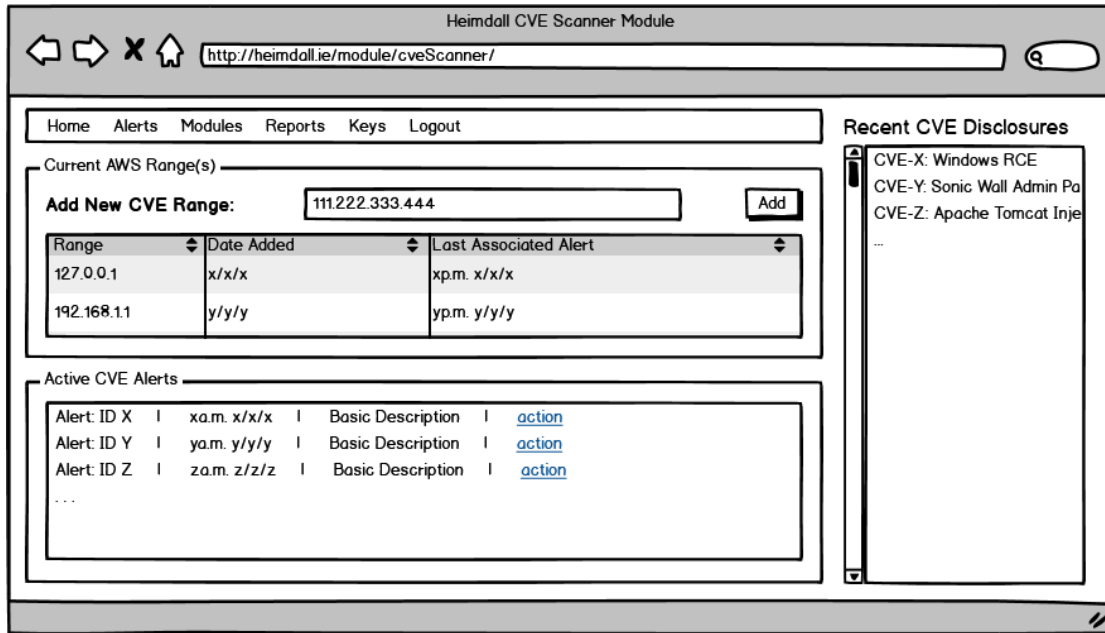


Figure 8, Wireframe: CVE Scanner Home Page

## 2. Sequence Diagrams

### 2.1 Generic Sequence

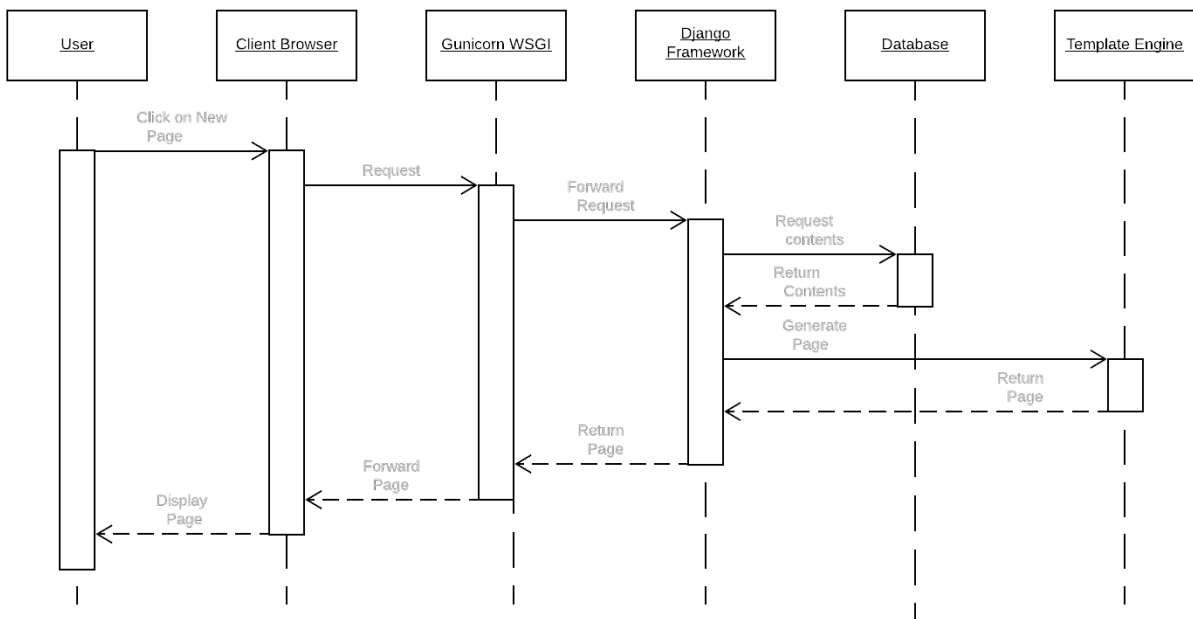


Figure 9, Sequence Diagram: Generic Request



## 2.2 Report Generation Sequence

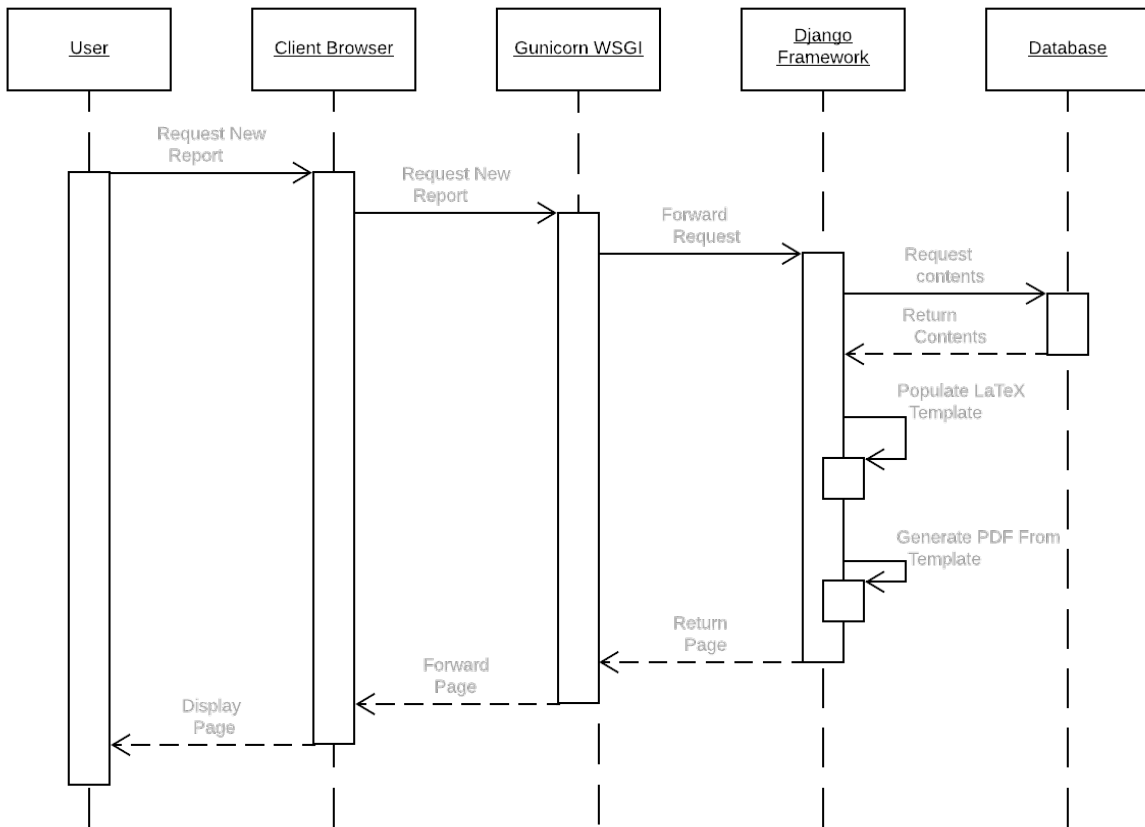


Figure 10, Sequence Diagram: Report Generation

### 2.3 Generic Scanner Sequence

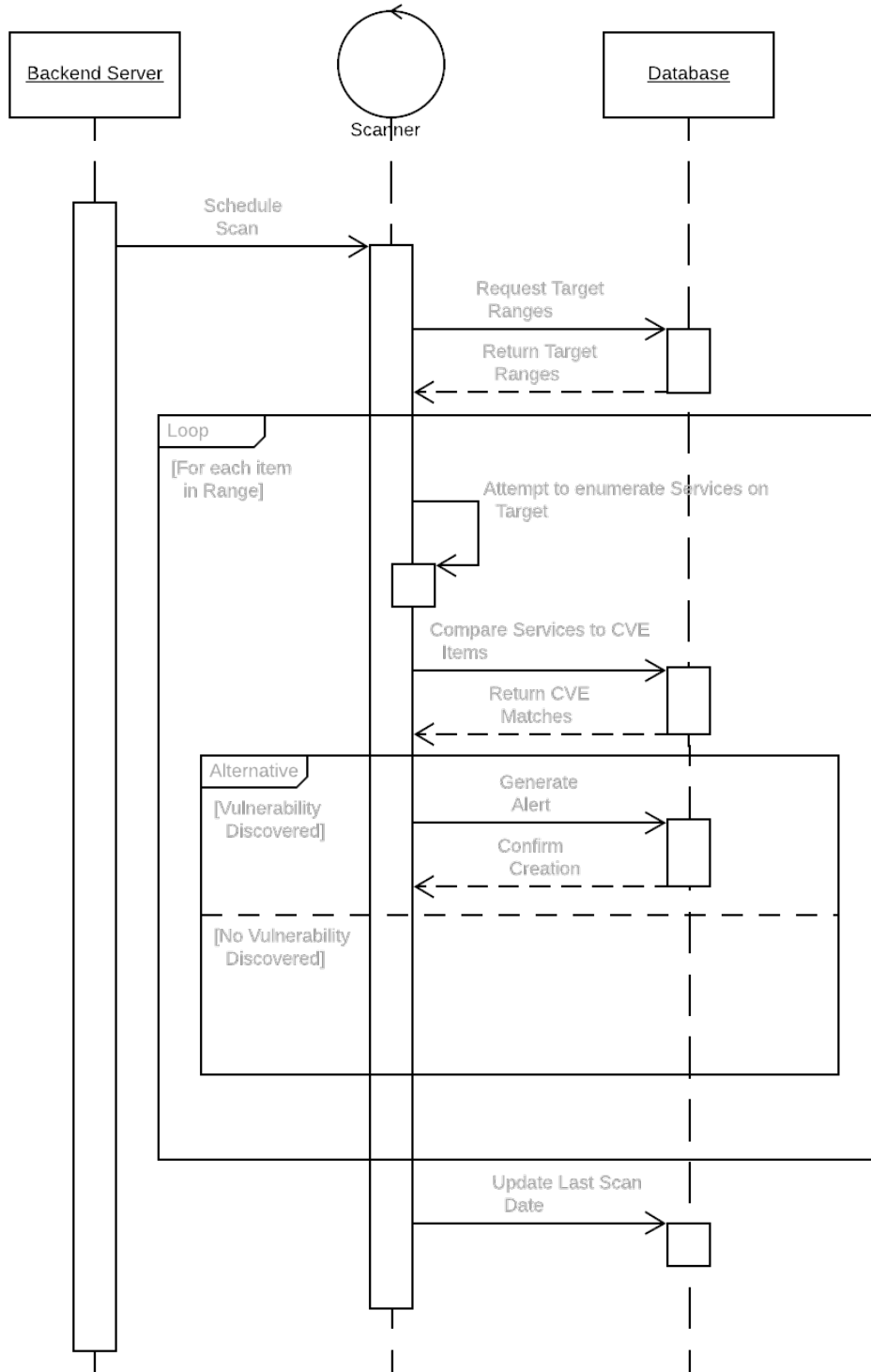


Figure 11, Sequence Diagram: Generic Scanner

### 3. ER Diagram

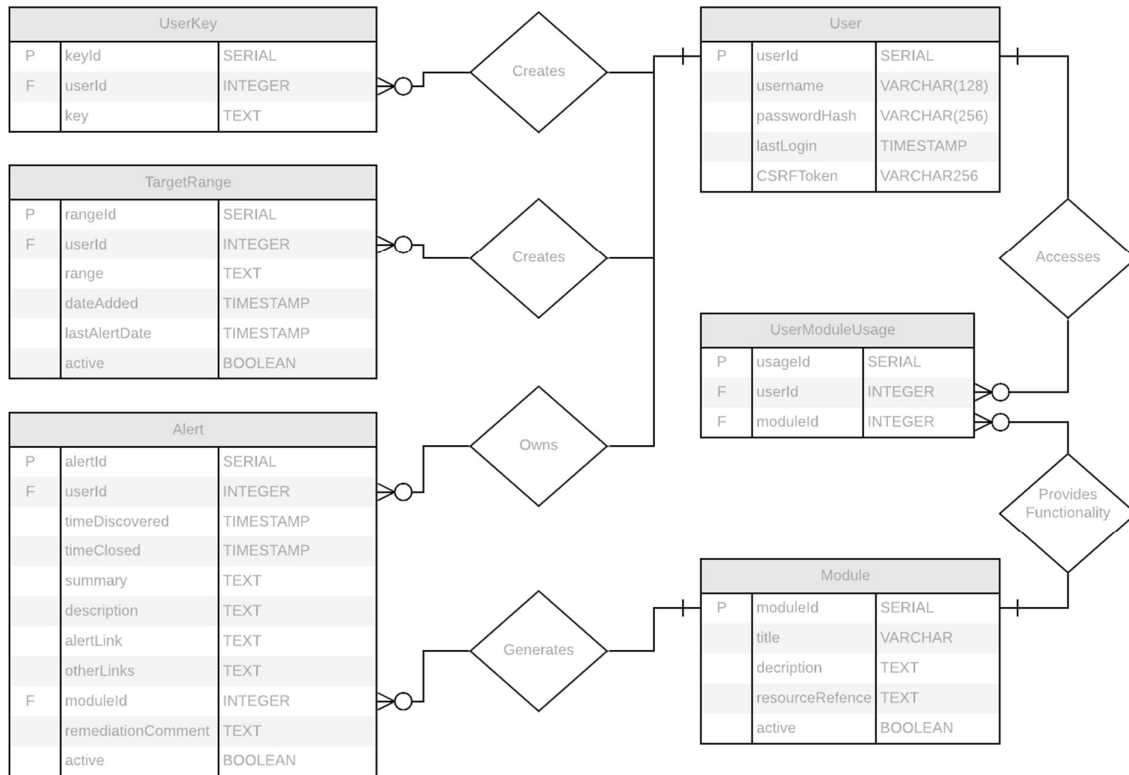


Figure 12, Entity Relationship Diagram