OSINT Dashboard – Requirements Document

1. Project Overview:

Project Name: OSINT Dashboard
Objective: Develop a Web based OSINT dashboard that allows users to gather information from public sources based on usernames, emails and other identifiers.
Primary usecases: Cybersecurity Professionals, Law Enforcement agencies for Reconnaissance and threat intelligence

2. Functional Requirements:

2.1 User Management

- User Registration and Login (Use either JWT/Oauth Authentication)
- Role based Access Control (Admin/User)
- Account settings and Password Reset

2.2 Search and OSINT integration

- Search by Username (Sherlock Integration)
- Retrieve and display associated social media profiles
- Fetch data from other OSINT tools like Shodan, theHarvester, SpiderFoot
- Save search history for users

2.3 Data Processing & Storage

- Store search queries and results in a database
- Implement Rate limiting to prevent excessive requests
- Cache frequent queries using Redis

2.4 Dashboard and Visualization

- Interactive UI using React/Vue
- Charts or Graphs for data representation using D3.js / Recharts
- Search history logs

2.5 Security and Privacy

- Encrypt stored user data
- Logging and Monitoring