PHISHING AWARENESS WEBSITE FOR EMPLOYEES

Hackathon Project Overview:

- **Introduction**

  In today's digital landscape, phishing attacks remain a significant cybersecurity threat, particularly targeting employees in organizations. Our project aims to create an interactive Phishing Awareness Website that educates employees on phishing threats and helps them develop skills to identify and mitigate such attacks effectively.

- **Objective**

  The primary goal of our website is to provide employees with both theoretical knowledge and hands-on experience in recognizing phishing attempts. This will be achieved through structured courses, simulated phishing scenarios, and an AI-powered chatbot for guidance.

- **Key Features**

  1. Main Landing Page:

     Provides a basic understanding of phishing. Includes 2-3 news articles about real-world phishing attacks on company employees, etc.

  2. Courses Page:

     Offers structured educational content on phishing. Covers different types of phishing, attack techniques, and prevention strategies.

  3. Rooms Page (Practical Test Approach):

     Simulated phishing scenarios where employees must identify phishing attempts. Users will need to identify the phishing attack.

  4. Results Page:

     Displays performance metrics based on the user's interactions in the practical rooms. Provides feedback on areas of improvement.

  5. AI Chatbot Assistance:

     Integrated AI chatbot to guide users through the platform. Answers queries related to phishing and security best practices.

- **Technologies Used**

  1. Frontend: React.js
  2. Backend: Django
 3. Database: SQLite
  4. AI Chatbot: Any Free chatbot

- **Challenges & Solutions**

  1. Creating Realistic Phishing Scenarios:

     Ensured the test environment mimics real-world attacks by referencing actual phishing tactics.

  2. Balancing Complexity & User-Friendliness: Designed an intuitive UI to cater to both technical and non-technical users.

  3. AI Chatbot Accuracy: Trained the chatbot with phishing-related datasets for improved responses.

- **Conclusion**

  Our phishing awareness website empowers employees with knowledge and hands-on training to recognize and respond to phishing threats. By combining educational content, interactive simulations, and AI-driven guidance, we ensure a comprehensive learning experience that enhances cybersecurity awareness in organizations.

Hackathon Project Use-case Diagram:
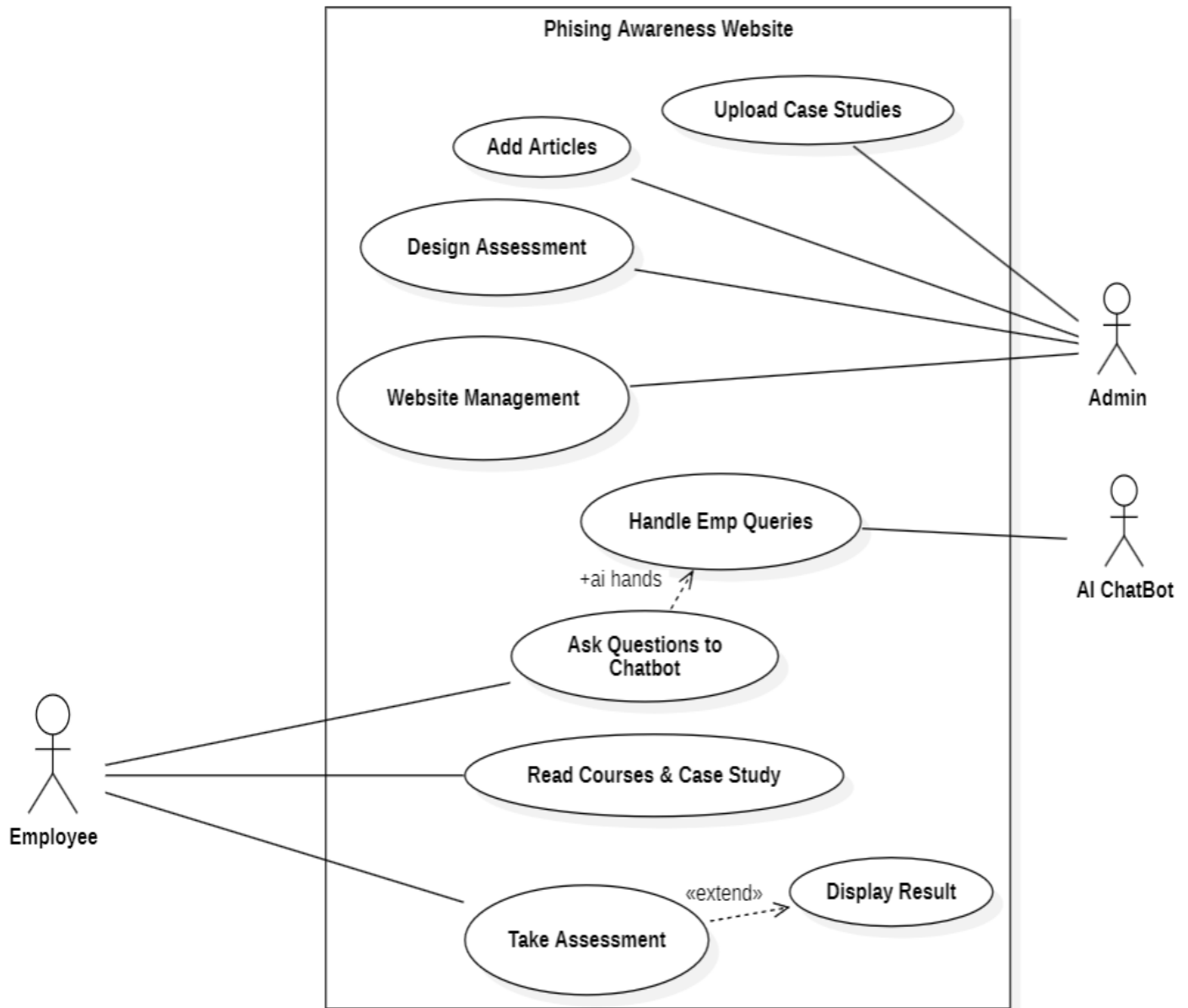
Hackathon Project Sequence Diagram: