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Statement of Work (SOW) for Mobile Application – VNEXIA

1. Introduction

This Statement of Work (SOW) outlines the deliverables, tasks, responsibilities, and schedule for the development of the VNEXIA Mobile Application and Web Interface. The application aims to enhance safety management on worksites by enabling workers and safety managers to access safety checklists, communicate in real-time, and receive risk alerts. The web interface will allow safety managers to monitor worksites, manage teams, and oversee worker activities.

2. Project Scope

The VNEXIA Mobile Application and Web Interface project will focus on:

- Developing a mobile application for workers that provides real-time safety checklists, communication, and alerts.
- Building a web interface for safety managers to monitor worksites, manage teams, and oversee risk situations.
- Integrating the Orin risk detection system to provide real-time risk updates from worksites.

3. Deliverables

3.1. Mobile Application

- **Login/Registration Module**:
  - Workers and safety managers can log in with email and password.
  - Password recovery functionality.
- **Home Screen**:
  - Displays personalized messages for workers and safety managers.
  - Provides access to safety checklists, risk logs, and communication tools.
- **Safety Checklists**:
  - Workers can view checklists for scenarios such as working at height, lifting loads, and electrical risks.
  - The checklists will include details (e.g., harnesses, helmets) and be read-only for workers.
- **Notifications and Alerts**:
  - Real-time notifications for detected risks, including site-specific alerts.
  - Alerts will persist even when the phone is locked.
- **Assistance Request**:
  - Workers can call/message for assistance during emergencies.

    - The application will provide the location of the worksite based on the camera number.

3.2. Web Interface

- **Login and Dashboard**:
    - Safety managers can log in to access team management, worksite monitoring, and risk tracking.
- **Worksite Monitoring**:
    - Overview of worksites, including worker count, start and end dates, alerts, near misses, and accidents.
    - Real-time updates from Orin on worksite risk conditions.
- **Team Management**:
    - View and manage worker details, including names, assigned worksites, and supervisors.
- **Communication Module**:
    - Create, edit, and publish new communications to the mobile app.
    - Display scrolling graphics and text communications.

3.3. Integration with Orin

- Full integration with Orin's risk detection system to capture and display real-time risk alerts and near-miss situations on both the mobile app and web interface.

4. Tasks and Timeline

Pre-Requisites:

- BRD (Business Requirement Document)
- SOW (Statement of Work)
- Architecture Diagram

Phase 1: Project Kickoff and Requirement Gathering (Week 1)

- Review and finalize the Business Requirements Document (BRD).
- Gather additional requirements, if needed, and define project scope.

Phase 2: Mobile Application Development (Week 1 - 2)

- Develop a login/registration module, including password recovery.
- Build the home screen with access to safety checklists and risk logs.
- Implement the safety checklist feature, notification system, and assistance request functionality.

Phase 3: Web Interface Development (Week 2)

- Develop login and dashboard for safety managers.
- Build worksite monitoring and risk alert features.
- Implement team management and communication features.
- Integrate Orin's risk detection system into the mobile app and web interface.

Phase 4: API Integration, Testing and Quality Assurance (Week 3)

- Perform functional, integration, and user acceptance testing (UAT) for the mobile app and web interface.
- Conduct final QA review and resolve any bugs or issues.

Phase 5: Deployment and Launch (Week 4)

- Deploy the mobile app to relevant app stores (iOS and Android).
- Launch the web interface and provide documentation.

5. Project Management and Reporting

- **Project Manager**: Will oversee the execution of the project, manage risks, and provide weekly status updates to stakeholders.
- **Development Team**: Responsible for building both the mobile app and web interface according to the BRD and project timeline.
- **QA Team**: Will test the mobile app and web interface and ensure all functionalities work as intended.
- **Stakeholder Review**: Weekly meetings with stakeholders to review progress, provide feedback, and approve deliverables.

6. Acceptance Criteria

The project will be deemed complete when the following criteria are met:

- The mobile application and web interface meet all functional and non-functional requirements as outlined in the BRD.
- Successful integration with Orin's risk detection system.
- All identified bugs have been resolved, and user acceptance testing has been completed.
- The mobile app is successfully deployed to the app stores, and the web interface is live.

7. Risks and Mitigation

- **Orin Integration Delays**: Any delay in Orin's risk detection system integration could affect the project timeline. Mitigation: Early collaboration with Orin's integration team and testing in parallel.

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- **Security Concerns**: Possible security breaches that could expose worksite and safety data. Mitigation: Use encryption protocols and conduct security audits.
- **User Adoption Challenges**: Workers and safety managers may face difficulties in using the app. Mitigation: Provide training materials and a user-friendly design.

8. Assumptions

- Workers and safety managers will have smartphones that can run the mobile app.
- Internet connectivity will be available at all worksites for real-time updates.
- The Orin integration team will provide timely support for the risk detection system.

9. Signatures

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09-25-2024	Date
Signature	Signature