**Ryans Mobile App Development Project**

**Project Description**  
The Ryans Mobile App Development Project is aimed at creating a digital solution to improve construction site safety. My project will develop a mobile application (for both iOS and Android) along with a web dashboard to manage tailgate meetings, field hazard assessments, safety inspections, and audits. The solution will streamline safety communications, reduce errors from manual record-keeping, and ensure regulatory compliance.

The purpose of my project is to enhance on-site safety by digitizing safety documentation and communication processes. The business need arises from the current reliance on paper-based methods, which contribute to inefficiencies, increased administrative costs, and higher risks of safety incidents. By developing this solution, the organization will reduce accidents, improve compliance, and ultimately generate long-term operational savings.  
 **Project Objective & Deliverables**  
Develop and deploy the Ryans Mobile App and accompanying web dashboard to improve construction safety management by July 1, 2025.

**Objectives:**

1. **Mobile App Development:**
   1. Create a fully functional mobile application (iOS and Android) that enables safety meeting management, hazard assessments, and inspections.
   2. *Measurement:* Application must pass quality assurance and achieve a user acceptance rate of at least 90% during the pilot phase.
   3. *Timeline:* Complete by July 1, 2025.
2. **Web Dashboard Integration:**
   1. Develop a secure web-based dashboard for supervisors to review, print, and manage safety reports.
   2. *Measurement:* Dashboard functionality confirmed through stakeholder sign-off and integration tests.
   3. *Timeline:* Complete by June 25, 2025.
3. **User Training & Adoption:**
   1. Provide comprehensive training sessions and in-app tutorials to ensure effective use of the application.
   2. *Measurement:* At least 90% of end users proficient within one month of deployment.
   3. *Timeline:* Training completed by pilot deployment.

**Deliverables:**

* **Deliverable 1:** Functional mobile application for iOS and Android with key safety management features.
* **Deliverable 2:** Integrated web dashboard for report management and analysis.
* **Deliverable 3:** User training sessions, tutorials, and comprehensive documentation to support application adoption.



**Scope Requirements & Constraints**   
**What will the project deliver?**

* A fully developed and tested mobile app and web dashboard.
* Complete documentation including training materials and user guides.
* A post-deployment support plan for the first 60 days.

**What will the project exclude and why?**

* **Excluded Items:**
  + Development of hardware devices or external sensor integrations.
  + Customizations for industries other than construction.
  + Long-term support beyond the initial 60 days.
* **Rationale:** Focusing on core safety management functionality allows for timely delivery within budget and ensures clear deliverables for the construction industry.

**What is the result after deliverables are met?**

* A streamlined digital solution that improves safety communications, reduces administrative overhead, and increases regulatory compliance, resulting in fewer onsite incidents and long-term cost savings.

**Key Stakeholders** 

|  |  |
| --- | --- |
| Customer or Client | Construction companies seeking enhanced safety management solutions. |
| Project Sponsor | Ross Michael, Director of Construction Safety. |
| Project Manager | Ryan Joseph , Senior IT Project Manager. |
| Project team members | Mobile developers, web developers, QA testers, user training specialists, and IT support personnel. |

**Project Milestones**

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| --- | --- | --- |
|  | Description | Date 00/00/0000 |
| Project Start | Onboarding | 02/10/2025 |
| Milestone 1 | Requirements Completion | 03/01/2025 |
| Milestone 2 | Design Approval | 03/20/2025 |
| Milestone 3 | Core Development Complete | 05/01/2025 |
| Project Completion | Official Launch | 07/01/2025 |

**Project Budget or Cost Benefit Analysis**   
**Estimated Total Cost:** $150,000

* **Application Development:** $70,000
* **Web Dashboard Development:** $30,000
* **Testing and QA:** $20,000
* **User Training and Documentation:** $10,000
* **Project Management and Overheads:** $20,000

**Return on Investment:**  
My project is expected to reduce safety incidents and administrative overhead, leading to lower operational costs and improved compliance. The enhanced efficiency and reduced risk of onsite accidents will provide a measurable return on investment through decreased downtime and avoidance of regulatory fines.

**Project Risks** 

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| --- | --- |
| Project Risks | **Identify any potential risks of this project** |
| Risk #1 | **Scope Creep:** Unauthorized feature requests may extend the timeline and increase costs. |
| Risk #2 | **Development Delays:** Potential delays in development or testing phases could impact the project schedule. |

**Approval Signatures**

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|  |  |  |  |  |
| Customer or Client |  | Project Manager |  | Project Sponsor |